



May 16, 2023

Transmitted via email to: andrew.rardin@co.snohomish.wa.us

Snohomish County Airport
3220 100th Street SW, Suite A
Everett, WA 98204

Attn: Andrew Rardin, Environmental and Wildlife Manager

**Re: Phase III Remedial Investigation/Feasibility Study Data Report
Former TECT Aerospace Leasehold Area
Cleanup Site ID: 12071; Facility/Site ID: 17392
Snohomish County Airport/Paine Field
Everett, Washington
Landau Project No. 0222057.040**

Dear Mr. Rardin:

At the request of Snohomish County Airport (Airport), Landau Associates, Inc. (Landau) prepared this data report to document the results of an investigation funded by a June 1, 2022 Integrated Planning Grant (IPG) agreement between the Washington State Department of Ecology (Ecology) and the Airport (Agreement No. TCPIPG-2123-SnCoAD-00043). The investigation was conducted to support a remedial investigation/feasibility study (RI/FS) for the TECT Aerospace Everett site (Site) in Everett, Washington (Figure 1). Landau has been conducting an RI at the Site on behalf of the Airport since November 2018 in accordance with the RI/FS work plan (Landau 2018) and a subsequent RI work plan addendum (Landau 2019a). These RI activities were implemented in two separate phases, Phase I and Phase II, that were completed in December 2019. The Phase I and II RI are documented in a data report (Landau 2019b). The RI activities described in this report represent Phase III of the RI.

The scope of work for the Phase III RI was detailed in the Ecology-approved Addendum No. 2, Revision 1 RI/FS Work Plan (IPG work plan; Landau 2022). The Phase III RI scope of work included investigation activities within all five previously identified investigation areas at the Site:

- Building C-19
- Building C-20, -21, -22 Complex
- Building C-23 and C-23 Annex
- Former Building C-29/Former East Fuel Farm
- Deep Aquifer.

The locations of the first four investigation areas listed above and the approximate boundary of the Site (i.e., the area where hazardous substances at concentrations above regulated levels in media are known to exist) are shown on Figure 2; the deep aquifer investigation area is present throughout the entire Site boundary.

Phase III Remedial Investigation Overview

The IPG agreement stipulated that Snohomish County prepare a work plan describing the planned Phase III activities and submit that plan to Ecology for review and approval before implementing the plan. The IPG work plan (Landau 2022) is dated July 28, 2022 and was approved by Ecology on August 4, 2022 (Unruh 2022). The IPG work plan summarizes or references existing Site information, outlines the goals and objectives of the Phase III RI, identifies the data gaps to be addressed in the Phase III RI, and describes the field investigation procedures, exploration locations, and planned analytical testing. Field work to implement the Phase III RI scope of work commenced on October 10, 2022 and was completed on February 17, 2023. Field work included the following major elements, consistent with the IPG work plan:

- Drilling and sampling of 10 shallow soil borings (RISB-69, RISB-70, RISB-71, RISB-74, RISB-75, RISB-76, RISB-77, RISB-78, RISB-79, and RISB-80) ranging in total depth from 30 to 40 feet below ground surface. Soil samples were collected for analysis for volatile organic compounds (VOCs) and several other parameters from each boring. Groundwater samples were collected from borings that yielded sufficient water for sample collection.
- Drilling, installation, and development of shallow monitoring well RIGW-3 in the former C-27, 29, and fuel farm area
- Drilling, installation, and development of deep aquifer monitoring wells RIDW-5 and RIDW-6 located to the north (downgradient) end of the Site
- Surveying of new monitoring wells RIGW-3, RIDW-5, and RIDW-6 for location and elevation.
- Conducting one groundwater elevation survey of the seven existing and two new deep aquifer Site monitoring wells and 14 existing and one new shallow Site monitoring wells. Groundwater elevations were also measured at six off-Site deep aquifer wells located on an adjacent parcel currently leased by The Boeing Company.

A site map showing the location of the 10 shallow soil borings and new shallow well (RIGW-3) is provided on Figure 3 and the deep well locations (including new wells RIDW-5 and RIDW-6) are shown on Figure 4.

Field Methods

Drilling, soil screening and sampling, groundwater grab sampling, and monitoring well installation, development, and sampling were conducted in general accordance with methods described in the IPG work plan. However, some minor adjustments were made to accommodate Site conditions such as accessibility of planned drilling locations and tenant activities. Soil boring logs and monitoring well installation details are provided in Attachment 1.

Field work was completed in accordance with the Sampling and Analysis Plan, Quality Assurance Project Plan, and Health and Safety Plan that were part of the 2018 RI/FS work plan, and in compliance with archaeological and cultural resource requirements as detailed in a project Inadvertent Discovery Plan (IDP), which is included in the IPG work plan. No artifacts or other culturally significant items were discovered during field work and therefore implementation of the IDP was not needed.

Due to the presence of dense to very dense glacial till at the Site, the Phase III subsurface investigations used rotosonic drilling methods to advance soil borings, collect soil and groundwater samples, and install monitoring wells. Both soil and groundwater were sampled from the soil borings in accordance with the methods described in the IPG work plan.

Soil cores were screened for the presence of potential contamination in accordance with the IPG work plan. Soil and groundwater samples were collected from intervals yielding the greatest potential for contamination based on field-screening techniques that included visual assessments and identifying the potential presence of VOCs using a photoionization detector (PID). Screening observations and PID readings are noted on the boring logs (Attachment 1). Soil samples collected from the borings were analyzed for VOCs and samples collected from selected locations were analyzed for additional constituents/parameters such as metals, petroleum hydrocarbons, polychlorinated biphenyls, total organic carbon, and/or total grain size. All soil and groundwater samples were submitted to ALS Environmental in Everett, Washington for analysis.

Results

The results of the Phase III RI are provided in the figures and tables listed below.

- Figure 3 shows iso-concentration contours for trichloroethene (the primary contaminant of concern at the Site) in shallow groundwater and incorporates new data collected during the Phase III RI.
- Figure 4 shows groundwater elevation contours and estimated flow directions for the deep aquifer and incorporates new data collected during the Phase III RI.
- Tables 1 and 2 present the groundwater elevations for the shallow, perched groundwater, and the deep aquifer.
- Tables 3 through 7 show analytical results for soil samples collected from the 10 new shallow soil borings and the two deep aquifer borings along with all previous soil analytical results from the Phase I and Phase II RI investigation areas as follows:
 - Table 3: Building C-19
 - Table 4: Building C-20, -21, -22 Complex
 - Table 5: Building C-23 and C-23 Annex
 - Table 6: Former Building C-29/Former East Fuel Farm
 - Table 7: Deep Aquifer.

The Phase III RI sampling locations are highlighted in yellow within the tables to more easily identify the recently collected Phase III RI data.

- Tables 8 through 12 show analytical results for groundwater samples collected from the new shallow soil borings that yielded sufficient water for sample collection along with all previous groundwater analytical results from the Phase I and Phase II RI investigation areas as follows:
 - Table 8: Building C-19
 - Table 9: Building C-20, -21, -22 Complex
 - Table 10: Building C-23 and C-23 Annex
 - Table 11: Former Building C-29/Former East Fuel Farm
 - Table 12: Deep Aquifer.

The Phase III RI sampling locations are highlighted in yellow within the tables to more easily identify the recently collected Phase III RI data.

- As previously mentioned, soil boring logs and monitoring well installation details for the new Phase III borings and wells are provided in Attachment 1.

Data Management

Upon receipt of the laboratory analytical reports, the analytical data were reviewed to determine if the data were acceptable and met the quality objectives listed in the project Quality Assurance Project Plan. A US Environmental Protection Agency Level IIA-equivalent verification and validation were completed with guidance from applicable portions of the National Functional Guidelines for Organic Data Review (EPA 2016). All data were determined to be acceptable for use without further qualification except for carcinogenic polycyclic aromatic hydrocarbon (cPAH) data from samples collected from locations RISB-76 and RISB-80. The cPAH analytical results were rejected because of laboratory quality control issues. All other data were acceptable for reporting purposes.

Laboratory analytical data reports for the Phase III RI are provided in Attachment 2 and the Phase III analytical data have been uploaded to Ecology's Environmental Information Management System database.

Use of this Report

This report has been prepared for the exclusive use of Snohomish County and Ecology for specific application to the Site. No other party is entitled to rely on the information, conclusions, and recommendations included in this document without the express written consent of Landau. Further, the reuse of information, conclusions, and recommendations provided herein for extensions of the project or for any other project, without review and authorization by Landau, shall be at the user's sole risk. Landau warrants that within the limitations of scope, schedule, and budget, our services have been provided in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing in the same locality under similar conditions as this project. Landau makes no other warranty, either express or implied.

This document has been prepared under the supervision and direction of the following key staff.

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SAR/JRN/ccy
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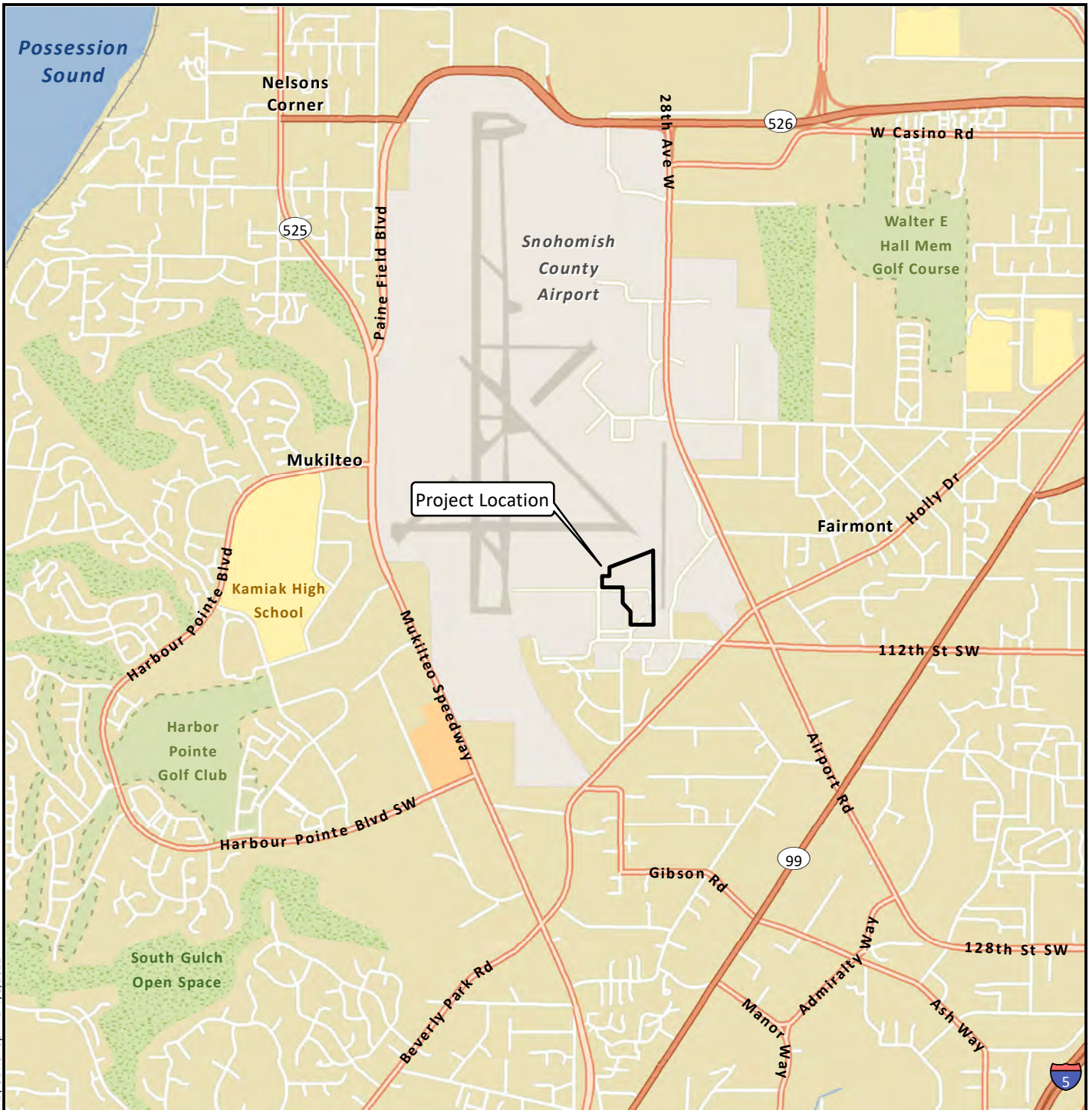
References

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https://19january2017snapshot.epa.gov/sites/production/files/2016-09/documents/national_functional_guidelines_for_superfund_organic_methods_data_review_0.pdf.
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- Unruh, D. 2022. "Re: TECT RI Work Plan – Grant TCPIPG-2123-SnCoAD-00043 (Update)." From David Unruh, Toxics Cleanup Program, Washington State Department of Ecology, to Jerry Ninteman, Landau Associates, Inc.; Ali Fumall; Margo Thompson; Kim Smith, Washington State Department of Ecology. August 4.

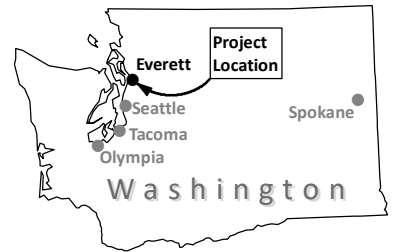
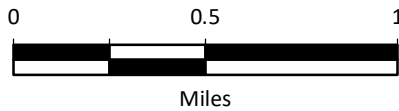
Attachments

- Figure 1: Vicinity Map
- Figure 2: Investigation Areas
- Figure 3: Trichloroethene Concentration Contours in Shallow Groundwater
- Figure 4: February 2023 Groundwater Elevation Contours – Deep Aquifer
- Table 1: Shallow Groundwater Elevations
- Table 2: Deep Groundwater Elevations
- Table 3: Building C-19 Soil Analytical Results
- Table 4: Building C-20, C-21, C-22 Soil Analytical Results
- Table 5: Building C-23 Soil Analytical Results
- Table 6: Building C-29 Soil Analytical Results
- Table 7: Deep Aquifer Soil Analytical Results
- Table 8: Building C-19 Groundwater Analytical Results
- Table 9: Building C-20, C-21, C-22 Groundwater Analytical Results
- Table 10: Building C-23 Groundwater Analytical Results
- Table 11: Building C-29 Groundwater Analytical Results
- Table 12: Deep Aquifer Groundwater Analytical Results

- Attachment 1: Soil Boring and Well Installation Logs
- Attachment 2: Laboratory Analytical Reports



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Data Source: Esri.

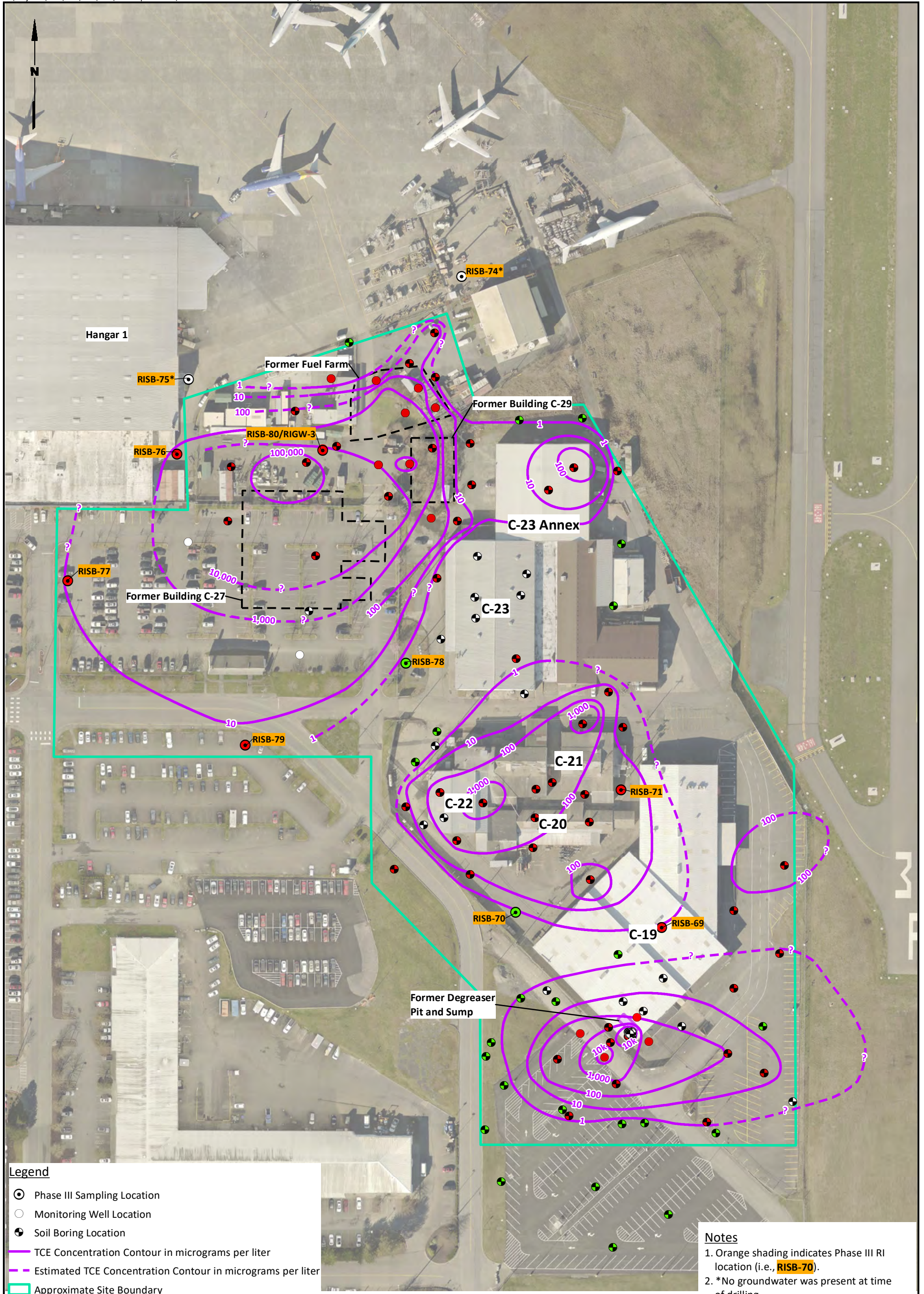
TECT Aerospace Leasehold
Everett, Washington

Vicinity Map

Figure
1



<p>Legend</p> <p>Approximate Site Boundary</p>	<p>Investigation Areas</p> <ul style="list-style-type: none"> Building C-19 Building C-20, C-21, C-22 Complex Building C-23 and C-23 Annex Former Building C-29/ Former East Fuel Farm 	<p>0 125 250</p> <p>Scale in Feet</p> <p>Data Sources: AGI 1999; Landau Associates 2006; Esri World Imagery.</p>	<p>Note</p> <p>1. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.</p>
<p>LANDAU ASSOCIATES</p>		<p>TECT Aerospace Leasehold Everett, Washington</p>	<p>Investigation Areas</p> <p>Figure 2</p>



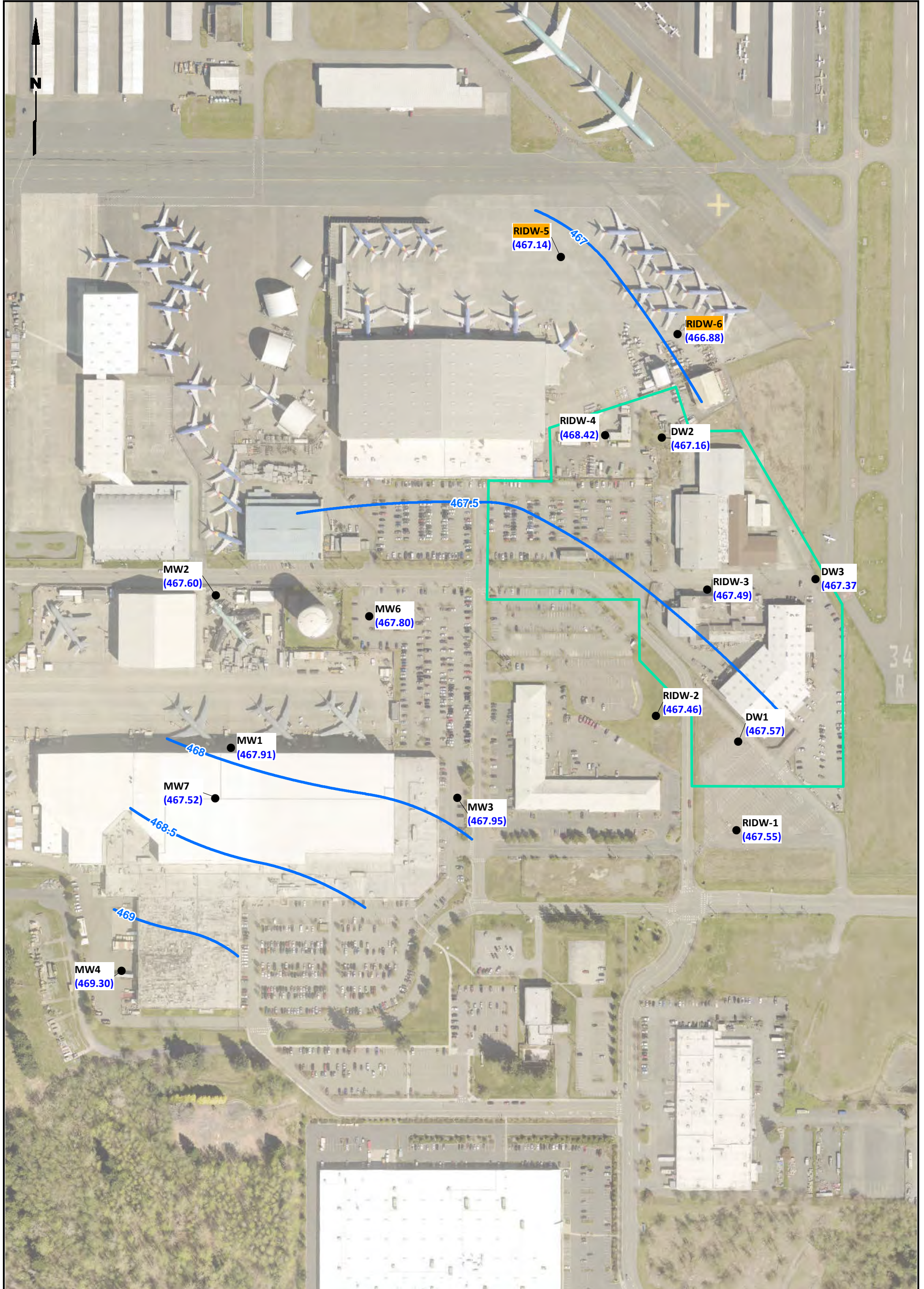
- Legend**
- Phase III Sampling Location
 - Monitoring Well Location
 - Soil Boring Location
 - TCE Concentration Contour in micrograms per liter
 - - - Estimated TCE Concentration Contour in micrograms per liter
 - Approximate Site Boundary
 - Concentration Exceeded Site Screening Levels for One or More Analytes
 - Analysis was Conducted, but Results were not Detected above Laboratory Reporting Limits
 - Samples Collected from this Location were not Analyzed

- Notes**
1. Orange shading indicates Phase III RI location (i.e., RISB-70).
 2. *No groundwater was present at time of drilling.
 3. TCE Screening Level = 0.54 µg/L.
 4. TCE = trichloroethene.
 5. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

0 120 240
Scale in Feet

Data Sources: AGI 1999; Landau Associates 2006; King County GIS.

TECT Aerospace Leasehold Everett, Washington	TCE Concentration Contours in Shallow Groundwater	Figure 3
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<p>Legend</p> <ul style="list-style-type: none"> ● Deep Aquifer Monitoring Well — Groundwater Elevation Contours (NAVD88) □ Approximate Site Boundary 	<p>0 250 500</p> <p>Scale in Feet</p> <p>Data Sources: AGI 1999; Landau Associates 2006; King County GIS.</p>	<p>Notes</p> <ol style="list-style-type: none"> 1. RIDW-5 and RIDW-6 were installed during the Phase III RI. 2. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation. 	
	<p>TECT Aerospace Leasehold Everett, Washington</p>	<p>February 2023 Groundwater Elevation Contours - Deep Aquifer</p>	<p>Figure 4</p>

Table 1
Shallow Groundwater Elevations
Former TECT Aerospace Phase III Remedial Investigation/Feasibility Study
Paine Field – Everett, Washington

Monitoring Well	Sampling Date	TOC Elevation (ft)	Depth to Groundwater (ft from TOC)	Groundwater Elevation (ft)
MW-1	2/15/2023	601.24	9.64	591.60
MW-2	2/17/2023	600.78	3.59	597.19
MW-3	2/17/2023	600.79	2.96	597.83
MW-4	2/15/2023	601.27	3.36	597.91
HMB1	2/15/2023	601.3	4.04	597.26
C29-MW1	2/17/2023	600.86	4.68	596.18
C29-MW2	2/17/2023	601.08	N/A*	N/A*
SCPWD-1	2/17/2023	600.94	2.54	598.40
SCPWD-2	2/17/2023	600.27	3.18	597.09
SCPWD-3	2/17/2023	600.19	4.76	595.43
SCPWD-4	2/17/2023	601.29	6.25	595.04
RIGW-55	2/17/2023	601.77	5.81	595.96
RIGW-3	2/15/2023	601.05	7.39	593.66

Notes:

*Well was inaccessible during the groundwater elevation survey.
Top of casing elevations are in vertical datum NAVD88.

Abbreviations/Acronyms:

ft = feet

N/A = not applicable

NAVD88 = North American Vertical Datum of 1988

TOC = top of casing

Table 2
Deep Groundwater Elevations
Former TECT Aerospace Phase III Remedial Investigation/Feasibility Study
Paine Field – Everett, Washington

Monitoring Well	Sampling Date	TOC Elevation (ft)	Depth to Groundwater (ft from TOC)	Groundwater Elevation (ft)
DW1	2/15/2023	600.77	133.2	467.57
DW2	2/15/2023	601.25	134.09	467.16
DW3	2/15/2023	600.43	133.06	467.37
RIDW-1	2/15/2023	598.88	131.33	467.55
RIDW-2	2/15/2023	603.66	136.2	467.46
RIDW-3	2/15/2023	601.47	133.98	467.49
RIDW-4	2/15/2023	601.46	133.04	468.42
MW-1	2/15/2023	581.74	117.5	464.24
MW-2	2/15/2023	585.21	121.28	463.93
MW-3	2/17/2023	585.67	121.39	464.28
MW-4	2/15/2023	577.13	111.5	465.63
MW-6	2/17/2023	593.62	129.49	464.13
MW-7	2/15/2023	580.83	116.99	463.84
RIDW-5	2/15/2023	602.63	135.49	467.14
RIDW-6	2/15/2023	603.97	137.09	466.88

Note:

Top of casing elevations are in vertical datum NAVD88.

Abbreviations/Acronyms:

ft = feet

NAVD88 = North American Vertical Datum of 1988

TOC = top of casing

Table 3
Building C-19 Soil Analytical Results
Former TECT Aerospace Phase III Remedial Investigation/Feasibility Study
Paine Field – Everett, Washington

Sampling Location	Sample Depth (ft)	Sampling Date	Sample Type	Laboratory Sample ID	Metals (mg/kg; SW-846 6020, 7196A, 7471B)							PCBs (mg/kg; SW-846 8082A)							General Chemistry (%; ASTM D4129-05M)	Petroleum Hydrocarbons (mg/kg; NWTPH-Gx, -Dx)			Volatile Organic Compounds (µg/kg; SW-846 8260C)							
					Arsenic	Cadmium	Chromium, Total	Chromium, Hexavalent	Chromium, Trivalent	Lead	Mercury	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1268	Total PCBs	Total Organic Carbon	GRO C5-C12	DRO C12-C24	ORO C24-C40	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	Benzene
					Screening Level:					7	1	42	N/A	N/A	150	0.105	5.6	N/A	N/A	N/A	N/A	0.5	0.5	N/A	0.5	N/A	30	2,000	2,000	2.76
RISB-01	9-10	3/27/2019	N	EV19030179-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	
RISB-01	16-17	3/27/2019	N	EV19030179-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	
RISB-02	11-12	3/26/2019	N	EV19030173-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U		
RISB-03	2-3	3/26/2019	N	EV19030173-04	4.0	0.50 U	36	--	--	13	0.028	--	--	--	--	--	--	--	--	--	--	25 U	50 U	--	--	--	--	--	--	
RISB-03	11-12	3/26/2019	N	EV19030173-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U		
RISB-03	29-30	3/26/2019	N	EV19030173-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U		
RISB-04	2-3	3/18/2019	N	EV19030110-04	3.9	0.50 U	33	--	--	5.3	0.026	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	--	--	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	
RISB-05	2-3	3/18/2019	N	EV19030110-01	3.6	0.50 U	30	--	--	2.5	0.026	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	--	--	25 U	50 U	--	--	--	--	--	--	
RISB-05	9.5-10.5	3/18/2019	N	EV19030110-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U		
RISB-06	2-3	3/27/2019	N	EV19030179-05	3.9	0.50 U	34	--	--	5.5	0.029	--	--	--	--	--	--	--	--	--	--	37	210	--	--	--	--	--	--	
RISB-06	19-21	3/27/2019	N	EV19030179-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	2.6	1.5 U	0.15	10 U	1.5 U		
RISB-06	19-21	3/27/2019	FD	EV19030179-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	4.7	1.5 U	0.050 U	10 U	1.5 U		
RISB-07	14.5-15.5	3/28/2019	N	EV19030195-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.12	--	25 U	50 U	1.5 U	1.5 U	1.5 U	0.11	10 U	1.5 U	
RISB-07	14.5-15.5	3/28/2019	FD	EV19030195-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.11	--	25 U	50 U	1.5 U	1.5 U	1.5 U	0.081	10 U	1.5 U	
RISB-07	29-30	3/28/2019	N	EV19030195-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.16	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	
RISB-08	19-20	3/26/2019	N	EV19030173-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U		
RISB-08	29-30	3/26/2019	N	EV19030173-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U		
RISB-09	7-8	3/25/2019	N	EV19030160-14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U		
RISB-09	18-19	3/25/2019	N	EV19030160-16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U		
RISB-09	24-25	3/25/2019	N	EV19030160-15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U		
RISB-10	7-8	3/25/2019	N	EV19030160-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U		
RISB-10	23-24	3/25/2019	N	EV19030160-12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U		
RISB-10	34-34	3/25/2019	N	EV19030160-11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U		
RISB-11	2-3	3/25/2019	N	EV19030166-01	3.5	0.50 U	30	--	--	2.5	0.021	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RISB-11	16-17	3/25/2019	N	EV19030166-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.12	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	
RISB-11	34-35	3/25/2019	N	EV19030166-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.12	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	
RISB-54	8-9	3/18/2019	N	EV19030110-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U		
RISB-55	7-8	3/18/2019	N	EV19030110-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	7.2	1.5 U	0.050 U	10 U	1.5 U		
RISB-56	15-16	9/3/2019	N	EV19090010-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.3 U	10,000	190	2.7 U	58 U	2.1 U		
RISB-56	24-25	9/3/2019	N	EV19090010-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.7 U	7,500	240	2.3 U	49 U	1.8 U		
RISB-57	7.5-8.5	9/3/2019	N	EV19090010-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U		
RISB-57	21.5-22.5	9/3/2019	N	EV19090010-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U		
RISB-58	7-8	9/3/2019	N	EV19090010-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	4.1	0.41	10 U	1.5 U		
RISB-58	24-25	9/3/2019	N	EV19090010-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	890	10	0.53	10 U	1.5 U		

Table 3
Building C-19 Soil Analytical Results
Former TECT Aerospace Phase III Remedial Investigation/Feasibility Study
Paine Field – Everett, Washington

Sampling Location	Sample Depth (ft)	Sampling Date	Sample Type	Laboratory Sample ID	Metals (mg/kg; SW-846 6020, 7196A, 7471B)						PCBs (mg/kg; SW-846 8082A)								General Chemistry (%; ASTM D4129-05M)	Petroleum Hydrocarbons (mg/kg; NWTPH-Gx, -Dx)			Volatile Organic Compounds (µg/kg; SW-846 8260C)						
					Arsenic	Cadmium	Chromium, Total	Chromium, Hexavalent	Chromium, Trivalent	Lead	Mercury	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1268	Total PCBs	Total Organic Carbon	GRO C5-C12	DRO C12-C24	ORO C24-C40	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane
RISB-69	19-20	12/1/2022	N	EV22120005-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-69	29-30	12/1/2022	N	EV22120005-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-69	9-10	12/1/2022	N	EV22120005-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-70	19-20	11/30/2022	N	EV22120005-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-70	29-30	11/30/2022	N	EV22120005-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-70	9-10	11/30/2022	N	EV22120005-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-71	19-20	12/1/2022	N	EV22120015-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.068	10 U	1.5 U
RISB-71	29-30	12/2/2022	N	EV22120015-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-71	9-10	12/1/2022	N	EV22120015-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	11 J	1.5 U	0.079 J	10 U	1.5 U
RISB-71	9-10	12/1/2022	FD	EV22120015-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	14	1.5 U	0.11	10 U	1.5 U

Table 3
Building C-19 Soil Analytical Results
Former TECT Aerospace Phase III Remedial Investigation/Feasibility Study
Paine Field – Everett, Washington

Sampling Location	Sample Depth (ft)	Sampling Date	Sample Type	Laboratory Sample ID	Volatile Organic Compounds (µg/kg; SW-846 8260C)																						
					Toluene	Ethylbenzene	Xylenes, Total	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dibromoethane (EDB)	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	2-Hexanone	4-isopropyltoluene	4-Methyl-2-pentanone	Acetone	Carbon Disulfide	Carbon Tetrachloride	Chloroethane	Chloroform	Isopropylbenzene	Methyl Ethyl Ketone
Screening Level:					273	343	831	38,500	0.08	0.278	2.61	2.46	N/A	500	1.56	1.67	800,000	N/A	N/A	6,400,000	2,070	266	0.274	N/A	0.479	8,000,000	48,000,000
RISB-01	9-10	3/27/2019	N	EV19030179-02	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-01	16-17	3/27/2019	N	EV19030179-03	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-02	11-12	3/26/2019	N	EV19030173-08	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-03	2-3	3/26/2019	N	EV19030173-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RISB-03	11-12	3/26/2019	N	EV19030173-06	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-03	29-30	3/26/2019	N	EV19030173-05	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-04	2-3	3/18/2019	N	EV19030110-04	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-05	2-3	3/18/2019	N	EV19030110-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RISB-05	9.5-10.5	3/18/2019	N	EV19030110-08	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-06	2-3	3/27/2019	N	EV19030179-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RISB-06	19-21	3/27/2019	N	EV19030179-07	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-06	19-21	3/27/2019	FD	EV19030179-06	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-07	14.5-15.5	3/28/2019	N	EV19030195-03	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-07	14.5-15.5	3/28/2019	FD	EV19030195-04	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-07	29-30	3/28/2019	N	EV19030195-05	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-08	19-20	3/26/2019	N	EV19030173-03	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-08	29-30	3/26/2019	N	EV19030173-02	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-09	7-8	3/25/2019	N	EV19030160-14	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-09	18-19	3/25/2019	N	EV19030160-16	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-09	24-25	3/25/2019	N	EV19030160-15	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-10	7-8	3/25/2019	N	EV19030160-10	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-10	23-24	3/25/2019	N	EV19030160-12	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-10	34-34	3/25/2019	N	EV19030160-11	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-11	2-3	3/25/2019	N	EV19030166-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RISB-11	16-17	3/25/2019	N	EV19030166-03	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-11	34-35	3/25/2019	N	EV19030166-02	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-54	8-9	3/18/2019	N	EV19030110-05	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-55	7-8	3/18/2019	N	EV19030110-02	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-56	15-16	9/3/2019	N	EV19090010-02	66 U	68 U	58 U	54 U	71 U	69 U	63 U	2.8 U	56 U	5.0 U	1.6 U	58 U	52 U	50 U	50 U	64 U	120 U	64 U	65 U	62 U	64 U	57 U	92 U
RISB-56	24-25	9/3/2019	N	EV19090010-03	57 U	58 U	50 U	46 U	61 U	59 U	53 U	2.4 U	48 U	5.0 U	1.5 U	49 U	44 U	50 U	42 U	54 U	100 U	54 U	56 U	53 U	55 U	48 U	78 U
RISB-57	7.5-8.5	9/3/2019	N	EV19090010-04	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-57	21.5-22.5	9/3/2019	N	EV19090010-05	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-58	7-8	9/3/2019	N	EV19090010-08	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-58	24-25	9/3/2019	N	EV19090010-07	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	2.0	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U

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Building C-19 Soil Analytical Results
Former TECT Aerospace Phase III Remedial Investigation/Feasibility Study
Paine Field – Everett, Washington

Sampling Location	Sample Depth (ft)	Sampling Date	Sample Type	Laboratory Sample ID	Volatile Organic Compounds (µg/kg; SW-846 8260C)																						
					Toluene	Ethylbenzene	Xylenes, Total	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dibromoethane (EDB)	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	2-Hexanone	4-isopropyltoluene	4-Methyl-2-pentanone	Acetone	Carbon Disulfide	Carbon Tetrachloride	Chloroethane	Chloroform	Isopropylbenzene	Methyl Ethyl Ketone
RISB-69	19-20	12/1/2022	N	EV22120005-07	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-69	29-30	12/1/2022	N	EV22120005-09	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-69	9-10	12/1/2022	N	EV22120005-06	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-70	19-20	11/30/2022	N	EV22120005-03	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-70	29-30	11/30/2022	N	EV22120005-05	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-70	9-10	11/30/2022	N	EV22120005-02	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-71	19-20	12/1/2022	N	EV22120015-04	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-71	29-30	12/2/2022	N	EV22120015-06	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-71	9-10	12/1/2022	N	EV22120015-03	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-71	9-10	12/1/2022	FD	EV22120015-02	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U

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Building C-19 Soil Analytical Results
Former TECT Aerospace Phase III Remedial Investigation/Feasibility Study
Paine Field – Everett, Washington

Sampling Location	Sample Depth (ft)	Sampling Date	Sample Type	Laboratory Sample ID	Volatile Organic Compounds (µg/kg; SW-846 8260C)					
					Methylene Chloride	Methyl-tert-butyl ether	Naphthalene	n-Propylbenzene	sec-Butylbenzene	trans-1,2-Dichloroethene
Screening Level:					1.48	7.23	236	8,000,000	8,000,000	32.5
RISB-01	9-10	3/27/2019	N	EV19030179-02	1.9 U	1.5 U	10 U	10 U	10 U	10 U
RISB-01	16-17	3/27/2019	N	EV19030179-03	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-02	11-12	3/26/2019	N	EV19030173-08	1.7 U	1.5 U	10 U	10 U	10 U	10 U
RISB-03	2-3	3/26/2019	N	EV19030173-04	--	--	--	--	--	--
RISB-03	11-12	3/26/2019	N	EV19030173-06	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-03	29-30	3/26/2019	N	EV19030173-05	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-04	2-3	3/18/2019	N	EV19030110-04	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-05	2-3	3/18/2019	N	EV19030110-01	--	--	--	--	--	--
RISB-05	9.5-10.5	3/18/2019	N	EV19030110-08	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-06	2-3	3/27/2019	N	EV19030179-05	--	--	--	--	--	--
RISB-06	19-21	3/27/2019	N	EV19030179-07	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-06	19-21	3/27/2019	FD	EV19030179-06	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-07	14.5-15.5	3/28/2019	N	EV19030195-03	1.7 U	1.5 U	10 U	10 U	10 U	10 U
RISB-07	14.5-15.5	3/28/2019	FD	EV19030195-04	1.6 U	1.5 U	10 U	10 U	10 U	10 U
RISB-07	29-30	3/28/2019	N	EV19030195-05	1.6 U	1.5 U	10 U	10 U	10 U	10 U
RISB-08	19-20	3/26/2019	N	EV19030173-03	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-08	29-30	3/26/2019	N	EV19030173-02	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-09	7-8	3/25/2019	N	EV19030160-14	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-09	18-19	3/25/2019	N	EV19030160-16	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-09	24-25	3/25/2019	N	EV19030160-15	1.7 U	1.5 U	10 U	10 U	10 U	10 U
RISB-10	7-8	3/25/2019	N	EV19030160-10	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-10	23-24	3/25/2019	N	EV19030160-12	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-10	34-34	3/25/2019	N	EV19030160-11	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-11	2-3	3/25/2019	N	EV19030166-01	--	--	--	--	--	--
RISB-11	16-17	3/25/2019	N	EV19030166-03	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-11	34-35	3/25/2019	N	EV19030166-02	1.6 U	1.5 U	10 U	10 U	10 U	10 U
RISB-54	8-9	3/18/2019	N	EV19030110-05	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-55	7-8	3/18/2019	N	EV19030110-02	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-56	15-16	9/3/2019	N	EV19090010-02	130 U	65 U	71 U	69 U	61 U	62 U
RISB-56	24-25	9/3/2019	N	EV19090010-03	110 U	55 U	61 U	59 U	52 U	53 U
RISB-57	7.5-8.5	9/3/2019	N	EV19090010-04	1.6 U	1.5 U	10 U	10 U	10 U	10 U
RISB-57	21.5-22.5	9/3/2019	N	EV19090010-05	1.6 U	1.5 U	10 U	10 U	10 U	10 U
RISB-58	7-8	9/3/2019	N	EV19090010-08	1.9 U	1.5 U	10 U	10 U	10 U	10 U
RISB-58	24-25	9/3/2019	N	EV19090010-07	1.6 U	1.5 U	10 U	10 U	10 U	10 U

Table 3
Building C-19 Soil Analytical Results
Former TECT Aerospace Phase III Remedial Investigation/Feasibility Study
Paine Field – Everett, Washington

Sampling Location	Sample Depth (ft)	Sampling Date	Sample Type	Laboratory Sample ID	Volatile Organic Compounds (µg/kg; SW-846 8260C)					
					Methylene Chloride	Methyl-tert-butyl ether	Naphthalene	n-Propylbenzene	sec-Butylbenzene	trans-1,2-Dichloroethene
RISB-69	19-20	12/1/2022	N	EV22120005-07	2.5	1.5 U	10 U	10 U	10 U	10 U
RISB-69	29-30	12/1/2022	N	EV22120005-09	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-69	9-10	12/1/2022	N	EV22120005-06	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-70	19-20	11/30/2022	N	EV22120005-03	1.7 U	1.5 U	10 U	10 U	10 U	10 U
RISB-70	29-30	11/30/2022	N	EV22120005-05	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-70	9-10	11/30/2022	N	EV22120005-02	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-71	19-20	12/1/2022	N	EV22120015-04	3.4	1.5 U	10 U	10 U	10 U	10 U
RISB-71	29-30	12/2/2022	N	EV22120015-06	2.9	1.5 U	10 U	10 U	10 U	10 U
RISB-71	9-10	12/1/2022	N	EV22120015-03	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-71	9-10	12/1/2022	FD	EV22120015-02	1.5 U	1.5 U	10 U	10 U	10 U	10 U

Notes:


-- = not analyzed

U = The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.

J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

Bold text indicates detected analyte.

 Blue shading indicates detected analyte exceeds applicable cleanup level.

 Yellow shading indicates sample was collected as part of Phase III investigation.

Abbreviations and Acronyms:

ASTM = ASTM International

FD = field duplicate

ft = feet

ID = identification

µg/kg = micrograms per kilogram

mg/kg = milligrams per kilogram

N = primary sample

N/A = not applicable

NWTPH-Dx = Northwest total petroleum hydrocarbon extended-range diesel analysis

NWTPH-Gx = Northwest total petroleum hydrocarbon extended-range gasoline analysis

PCBs = polychlorinated biphenyls

Table 4
Building C-20, C-21, C-22 Soil Analytical Results
Former TECT Aerospace Phase III Remedial Investigation/Feasibility Study
Paine Field – Everett, Washington

Sampling Location	Sample Depth (ft)	Sampling Date	Sample Type	Laboratory Sample ID	Metals (mg/kg; SW-846 6020, 7196A, 7471B)							PCBs (mg/kg; SW-846 8082A)							General Chemistry (%; ASTM D4129-05M)	Petroleum Hydrocarbons (mg/kg; NWTPH-Gx, -Dx)			Volatile Organic Compounds (µg/kg; SW-846 8260C)							
					Arsenic	Cadmium	Chromium, Total	Chromium, Hexavalent	Chromium, Trivalent	Lead	Mercury	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1268	Total PCBs	Total Organic Carbon	GRO C5-C12	DRO C12-C24	ORO C24-C40	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	Benzene
Screening Level:					7	1	42	N/A	N/A	150	0.105	5.6	N/A	N/A	N/A	N/A	0.5	0.5	N/A	0.5	N/A	30	2,000	2,000	2.76	0.206	5.15	0.0089	84.3	0.277
RISB-07	14.5-15.5	3/28/2019	N	EV19030195-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.12	--	25 U	50 U	1.5 U	1.5 U	1.5 U	0.11	10 U	1.5 U	
RISB-07	14.5-15.5	3/28/2019	FD	EV19030195-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.11	--	25 U	50 U	1.5 U	1.5 U	1.5 U	0.081	10 U	1.5 U	
RISB-07	29-30	3/28/2019	N	EV19030195-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.16	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	
RISB-12	10-10.5	3/29/2019	N	EV19040002-01	--	--	--	--	--	--	--	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	--	--	25 U	50 U	--	--	--	--	--	--	
RISB-12	19-20	3/29/2019	N	EV19040002-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	
RISB-12	24-25	3/29/2019	N	EV19040002-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	
RISB-12	41.5-42.5	4/1/2019	N	EV19040010-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	
RISB-13	10-11	3/19/2019	N	EV19030128-03	2.8	0.50 U	34	--	--	2.6	0.026	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	--	--	25 U	50 U	4.2	40,000	700	6.9	10 U	1.5 U	
RISB-13	12.5-13	3/20/2019	N	EV19030129-04	2.2	0.50 U	43	--	--	1.9	0.020 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	--	--	25 U	50 U	1.5 U	14,000	420	1.4	10 U	1.5 U	
RISB-14	4-5	4/1/2019	FD	EV19040010-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	
RISB-14	9-10	4/1/2019	N	EV19040010-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	4.2	1.5 U	0.050 U	10 U	1.5 U	
RISB-14	19-20	4/1/2019	N	EV19040010-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	
RISB-14	44-45	4/1/2019	N	EV19040010-11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	
RISB-15	9-10	3/21/2019	N	EV19030147-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	4,400	2.7	0.050 U	10 U	1.5 U	
RISB-15	13-14	3/21/2019	N	EV19030147-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	25 U	50 U	--	--	--	--	--	
RISB-15	17-18	3/21/2019	N	EV19030147-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	4,200	3.3	0.056	10 U	1.5 U	
RISB-15	34-35	3/21/2019	N	EV19030147-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.6	1.5 U	0.050 U	10 U	1.5 U	
RISB-16	4-5	4/1/2019	N	EV19040010-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	
RISB-16	19-20	4/1/2019	N	EV19040010-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	
RISB-17	18-19	3/29/2019	N	EV19040002-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	
RISB-17	34-35	3/29/2019	N	EV19040002-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	
RISB-17	44-45	3/29/2019	N	EV19040002-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	
RISB-18	2.5-3.5	3/29/2019	N	EV19030195-16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	
RISB-18	9-10	3/29/2019	N	EV19030195-17	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	7.6	1.5 U	0.26	10 U	1.5 U	
RISB-18	19-20	3/29/2019	N	EV19040130-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	
RISB-19	1.5-2	3/29/2019	N	EV19030195-13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6.0 U	6.2 U	660	8.6	80 U	2.9 U	
RISB-19	8.5-9.5	3/29/2019	N	EV19030195-14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.13	--	--	--	1.5 U	5.9	2.9	0.10	10 U	1.5 U
RISB-19	14-15	3/29/2019	N	EV19030195-15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.096	--	--	--	1.5 U	1.5 U	1.5 U	0.12	10 U	1.5 U
RISB-20	6.5-7.5	3/27/2019	N	EV19030179-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	
RISB-21	12.5-13.5	3/28/2019	N	EV19030195-11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	9,500	630	0.81	10 U	1.5 U	
RISB-21	19-20	3/28/2019	N	EV19030195-12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	5,200	560	0.76	10 U	1.5 U	
RISB-22	1-2	3/28/2019	N	EV19030195-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1,400	1,900	--	--	--	--	--	
RISB-22	6.5-7.5	3/28/2019	N	EV19030195-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	25 U	50 U	1.5 U	1.5 U	9.1	1.4	10 U	1.5 U
RISB-22	19-20	3/28/2019	N	EV19030195-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	

Table 4
Building C-20, C-21, C-22 Soil Analytical Results
Former TECT Aerospace Phase III Remedial Investigation/Feasibility Study
Paine Field – Everett, Washington

Sampling Location	Sample Depth (ft)	Sampling Date	Sample Type	Laboratory Sample ID	Metals (mg/kg; SW-846 6020, 7196A, 7471B)							PCBs (mg/kg; SW-846 8082A)							General Chemistry (%; ASTM D4129-05M)	Petroleum Hydrocarbons (mg/kg; NWTPH-Gx, -Dx)			Volatile Organic Compounds (µg/kg; SW-846 8260C)							
					Arsenic	Cadmium	Chromium, Total	Chromium, Hexavalent	Chromium, Trivalent	Lead	Mercury	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1268	Total PCBs	Total Organic Carbon	GRO C5-C12	DRO C12-C24	ORO C24-C40	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	Benzene
					Screening Level: 7	1	42	N/A	N/A	150	0.105	5.6	N/A	N/A	N/A	N/A	0.5	0.5	N/A	0.5	N/A	30	2,000	2,000	2.76	0.206	5.15	0.0089	84.3	0.277
RISB-23	14-15	3/28/2019	N	EV19030195-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	9.2	4.8	0.071	10 U	1.5 U		
RISB-23	19-20	3/28/2019	N	EV19030195-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U		
RISB-24	2-3	3/20/2019	N	EV19030129-05	3.2	0.50 U	28	--	--	2.2	0.026	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	--	--	25 U	50 U	1.5 U	6.8	1.5	0.090	10 U	1.5 U
RISB-25	2-3	3/20/2019	N	EV19030129-01	--	--	--	--	--	--	--	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	--	--	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-26	2-3	4/2/2019	N	EV19040019-02	3.2	0.50 U	31	--	--	2.1	0.021	--	--	--	--	--	--	--	--	--	--	--	25 U	50 U	--	--	--	--	--	--
RISB-26	6-7	4/2/2019	N	EV19040019-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	7.4	1.5 U	0.050 U	10 U	1.5 U		
RISB-26	24-25	4/2/2019	N	EV19040019-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.094	10 U	1.5 U		
RISB-27	2-3	4/2/2019	N	EV19040019-07	3.2	0.50 U	39	--	--	3.8	0.027	--	--	--	--	--	--	--	--	--	--	25 U	100	--	--	--	--	--	--	--
RISB-27	39-40	4/2/2019	N	EV19040019-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.11	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U		
RISB-27	44-45	4/2/2019	N	EV19040019-11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.11	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U		
RISB-28	0.7-1.7	3/19/2019	N	EV19030128-11	2.7	0.50 U	32	--	--	3.5	0.021	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	--	4.2	250 U	7,300	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-28	11-12	3/19/2019	N	EV19030128-06	2.8	0.50 U	37	--	--	2.9	0.021	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	--	3.0 U	25 U	50 U	1.5 U	28	23	0.13	10 U	1.5 U
RISB-49	6-7	3/20/2019	N	EV19030129-03	--	--	--	--	--	--	--	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	--	--	25 U	50 U	1.5 U	8.6	2.6	0.39	10 U	1.5 U
RISB-49	24-25	3/20/2019	N	EV19030129-08	--	--	--	--	--	--	--	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	--	--	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-50	13.5-14.5	3/18/2019	N	EV19030110-06	--	--	--	--	--	--	--	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	--	--	25 U	50 U	1.5 U	3,600	370	1.1	10 U	1.5 U
RISB-50	24-25	3/18/2019	N	EV19030110-07	--	--	--	--	--	--	--	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	--	--	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-59	12.5-13.5	8/27/2019	N	EV19080191-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	
RISB-59	19-20	8/27/2019	N	EV19080191-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	
RISB-60	6.5-7.5	8/26/2019	N	EV19080183-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U	1.5 U	6.3	1.5 U	0.17	10 U	1.5 U	
RISB-60	24-25	8/26/2019	N	EV19080183-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U		
RISB-69	19-20	12/1/2022	N	EV22120005-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	
RISB-69	29-30	12/1/2022	N	EV22120005-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	
RISB-69	9-10	12/1/2022	N	EV22120005-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	
RISB-70	19-20	11/30/2022	N	EV22120005-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	
RISB-70	29-30	11/30/2022	N	EV22120005-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	
RISB-70	9-10	11/30/2022	N	EV22120005-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	
RISB-71	19-20	12/1/2022	N	EV22120015-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.068	10 U	1.5 U	
RISB-71	29-30	12/2/2022	N	EV22120015-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	
RISB-71	9-10	12/1/2022	N	EV22120015-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	11 J	1.5 U	0.079 J	10 U	1.5 U	
RISB-71	9-10	12/1/2022	FD	EV22120015-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	14	1.5 U	0.11	10 U	1.5 U	

Table 4
Building C-20, C-21, C-22 Soil Analytical Results
Former TECT Aerospace Phase III Remedial Investigation/Feasibility Study
Paine Field – Everett, Washington

Sampling Location	Sample Depth (ft)	Sampling Date	Sample Type	Laboratory Sample ID	Volatile Organic Compounds (µg/kg; SW-846 8260C)																							
					Toluene	Ethylbenzene	Xylenes, Total	1,1,1,2-Tetrachloroethane	1,1,1,2,2-Tetrachloroethane	1,1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dibromoethane (EDB)	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	2-Hexanone	4-isopropyltoluene	4-Methyl-2-pentanone	Acetone	Carbon Disulfide	Carbon Tetrachloride	Chloroethane	Chloroform	Isopropylbenzene	Methyl Ethyl Ketone	Methylene Chloride
Screening Level:					273	343	831	38,500	0.08	0.278	2.61	2.46	N/A	500	1.56	1.67	800,000	N/A	N/A	6,400,000	2,070	266	0.274	N/A	0.479	8,000,000	48,000,000	1.48
RISB-07	14.5-15.5	3/28/2019	N	EV19030195-03	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.7 U
RISB-07	14.5-15.5	3/28/2019	FD	EV19030195-04	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.6 U
RISB-07	29-30	3/28/2019	N	EV19030195-05	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.6 U
RISB-12	10-10.5	3/29/2019	N	EV19040002-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RISB-12	19-20	3/29/2019	N	EV19040002-02	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.6 U
RISB-12	24-25	3/29/2019	N	EV19040002-03	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-12	41.5-42.5	4/1/2019	N	EV19040010-01	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-13	10-11	3/19/2019	N	EV19030128-03	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-13	12.5-13	3/20/2019	N	EV19030129-04	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	16	1.5 U	10 U	1.5 U	10 U	50 U	1.7 U
RISB-14	4-5	4/1/2019	FD	EV19040010-04	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.6 U
RISB-14	9-10	4/1/2019	N	EV19040010-09	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-14	19-20	4/1/2019	N	EV19040010-10	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.8 U
RISB-14	44-45	4/1/2019	N	EV19040010-11	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-15	9-10	3/21/2019	N	EV19030147-07	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.6 U
RISB-15	13-14	3/21/2019	N	EV19030147-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RISB-15	17-18	3/21/2019	N	EV19030147-06	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.6 U
RISB-15	34-35	3/21/2019	N	EV19030147-05	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-16	4-5	4/1/2019	N	EV19040010-06	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.6 U
RISB-16	19-20	4/1/2019	N	EV19040010-07	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-17	18-19	3/29/2019	N	EV19040002-05	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-17	34-35	3/29/2019	N	EV19040002-06	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-17	44-45	3/29/2019	N	EV19040002-04	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-18	2.5-3.5	3/29/2019	N	EV19030195-16	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-18	9-10	3/29/2019	N	EV19030195-17	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-18	19-20	3/29/2019	N	EV19040130-01	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-19	1.5-2	3/29/2019	N	EV19030195-13	92 U	94 U	81 U	74 U	99 U	96 U	87 U	3.9 U	77 U	5.0 U	2.3 U	80 U	72 U	62 U	69 U	89 U	170 U	88 U	91 U	86 U	89 U	79 U	130 U	180 U
RISB-19	8.5-9.5	3/29/2019	N	EV19030195-14	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-19	14-15	3/29/2019	N	EV19030195-15	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-20	6.5-7.5	3/27/2019	N	EV19030179-10	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.6 U
RISB-21	12.5-13.5	3/28/2019	N	EV19030195-11	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-21	19-20	3/28/2019	N	EV19030195-12	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.6 U
RISB-22	1-2	3/28/2019	N	EV19030195-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RISB-22	6.5-7.5	3/28/2019	N	EV19030195-07	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-22	19-20	3/28/2019	N	EV19030195-08	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.6 U

Table 4
Building C-20, C-21, C-22 Soil Analytical Results
Former TECT Aerospace Phase III Remedial Investigation/Feasibility Study
Paine Field – Everett, Washington

Sampling Location	Sample Depth (ft)	Sampling Date	Sample Type	Laboratory Sample ID	Volatile Organic Compounds (µg/kg; SW-846 8260C)																							
					Toluene	Ethylbenzene	Xylenes, Total	1,1,1,2-Tetrachloroethane	1,1,1,2,2-Tetrachloroethane	1,1,1,2-Trichloroethane	1,1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dibromoethane (EDB)	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	2-Hexanone	4-isopropyltoluene	4-Methyl-2-pentanone	Acetone	Carbon Disulfide	Carbon Tetrachloride	Chloroethane	Chloroform	Isopropylbenzene	Methyl Ethyl Ketone	Methylene Chloride
Screening Level:					273	343	831	38,500	0.08	0.278	2.61	2.46	N/A	500	1.56	1.67	800,000	N/A	N/A	6,400,000	2,070	266	0.274	N/A	0.479	8,000,000	48,000,000	1.48
RISB-23	14-15	3/28/2019	N	EV19030195-09	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.6 U
RISB-23	19-20	3/28/2019	N	EV19030195-10	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-24	2-3	3/20/2019	N	EV19030129-05	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-25	2-3	3/20/2019	N	EV19030129-01	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-26	2-3	4/2/2019	N	EV19040019-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RISB-26	6-7	4/2/2019	N	EV19040019-03	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-26	24-25	4/2/2019	N	EV19040019-05	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-27	2-3	4/2/2019	N	EV19040019-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RISB-27	39-40	4/2/2019	N	EV19040019-10	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.6 U
RISB-27	44-45	4/2/2019	N	EV19040019-11	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-28	0.7-1.7	3/19/2019	N	EV19030128-11	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-28	11-12	3/19/2019	N	EV19030128-06	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.6 U
RISB-49	6-7	3/20/2019	N	EV19030129-03	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.6 U
RISB-49	24-25	3/20/2019	N	EV19030129-08	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-50	13.5-14.5	3/18/2019	N	EV19030110-06	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-50	24-25	3/18/2019	N	EV19030110-07	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-59	12.5-13.5	8/27/2019	N	EV19080191-01	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.7 U
RISB-59	19-20	8/27/2019	N	EV19080191-02	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.7 U
RISB-60	6.5-7.5	8/26/2019	N	EV19080183-01	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-60	24-25	8/26/2019	N	EV19080183-02	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-69	19-20	12/1/2022	N	EV22120005-07	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	2.5
RISB-69	29-30	12/1/2022	N	EV22120005-09	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-69	9-10	12/1/2022	N	EV22120005-06	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-70	19-20	11/30/2022	N	EV22120005-03	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.7 U
RISB-70	29-30	11/30/2022	N	EV22120005-05	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-70	9-10	11/30/2022	N	EV22120005-02	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-71	19-20	12/1/2022	N	EV22120015-04	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	3.4
RISB-71	29-30	12/2/2022	N	EV22120015-06	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	2.9
RISB-71	9-10	12/1/2022	N	EV22120015-03	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U
RISB-71	9-10	12/1/2022	FD	EV22120015-02	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U

Table 4
Building C-20, C-21, C-22 Soil Analytical Results
Former TECT Aerospace Phase III Remedial Investigation/Feasibility Study
Paine Field – Everett, Washington

Sampling Location	Sample Depth (ft)	Sampling Date	Sample Type	Laboratory Sample ID	Volatile Organic Compounds (µg/kg; SW-846 8260C)				
					Methyl-tert-butyl ether	Naphthalene	n-Propylbenzene	sec-Butylbenzene	trans-1,2-Dichloroethene
Screening Level:					7.23	236	8,000,000	8,000,000	32.5
RISB-07	14.5-15.5	3/28/2019	N	EV19030195-03	1.5 U	10 U	10 U	10 U	10 U
RISB-07	14.5-15.5	3/28/2019	FD	EV19030195-04	1.5 U	10 U	10 U	10 U	10 U
RISB-07	29-30	3/28/2019	N	EV19030195-05	1.5 U	10 U	10 U	10 U	10 U
RISB-12	10-10.5	3/29/2019	N	EV19040002-01	--	--	--	--	--
RISB-12	19-20	3/29/2019	N	EV19040002-02	1.5 U	10 U	10 U	10 U	10 U
RISB-12	24-25	3/29/2019	N	EV19040002-03	1.5 U	10 U	10 U	10 U	10 U
RISB-12	41.5-42.5	4/1/2019	N	EV19040010-01	1.5 U	10 U	10 U	10 U	10 U
RISB-13	10-11	3/19/2019	N	EV19030128-03	1.5 U	10 U	10 U	10 U	10 U
RISB-13	12.5-13	3/20/2019	N	EV19030129-04	1.5 U	10 U	10 U	10 U	10 U
RISB-14	4-5	4/1/2019	FD	EV19040010-04	1.5 U	10 U	10 U	10 U	10 U
RISB-14	9-10	4/1/2019	N	EV19040010-09	1.5 U	10 U	10 U	10 U	10 U
RISB-14	19-20	4/1/2019	N	EV19040010-10	1.5 U	10 U	10 U	10 U	10 U
RISB-14	44-45	4/1/2019	N	EV19040010-11	1.5 U	10 U	10 U	10 U	10 U
RISB-15	9-10	3/21/2019	N	EV19030147-07	1.5 U	10 U	10 U	10 U	10 U
RISB-15	13-14	3/21/2019	N	EV19030147-08	--	--	--	--	--
RISB-15	17-18	3/21/2019	N	EV19030147-06	1.5 U	10 U	10 U	10 U	10 U
RISB-15	34-35	3/21/2019	N	EV19030147-05	1.5 U	10 U	10 U	10 U	10 U
RISB-16	4-5	4/1/2019	N	EV19040010-06	1.5 U	10 U	10 U	10 U	10 U
RISB-16	19-20	4/1/2019	N	EV19040010-07	1.5 U	10 U	10 U	10 U	10 U
RISB-17	18-19	3/29/2019	N	EV19040002-05	1.5 U	10 U	10 U	10 U	10 U
RISB-17	34-35	3/29/2019	N	EV19040002-06	1.5 U	10 U	10 U	10 U	10 U
RISB-17	44-45	3/29/2019	N	EV19040002-04	1.5 U	10 U	10 U	10 U	10 U
RISB-18	2.5-3.5	3/29/2019	N	EV19030195-16	1.5 U	10 U	10 U	10 U	10 U
RISB-18	9-10	3/29/2019	N	EV19030195-17	1.5 U	10 U	10 U	10 U	10 U
RISB-18	19-20	3/29/2019	N	EV19040130-01	1.5 U	10 U	10 U	10 U	10 U
RISB-19	1.5-2	3/29/2019	N	EV19030195-13	90 U	99 U	96 U	84 U	86 U
RISB-19	8.5-9.5	3/29/2019	N	EV19030195-14	1.5 U	10 U	10 U	10 U	10 U
RISB-19	14-15	3/29/2019	N	EV19030195-15	1.5 U	10 U	10 U	10 U	10 U
RISB-20	6.5-7.5	3/27/2019	N	EV19030179-10	1.5 U	10 U	10 U	10 U	10 U
RISB-21	12.5-13.5	3/28/2019	N	EV19030195-11	1.5 U	10 U	10 U	10 U	10 U
RISB-21	19-20	3/28/2019	N	EV19030195-12	1.5 U	10 U	10 U	10 U	10 U
RISB-22	1-2	3/28/2019	N	EV19030195-06	--	--	--	--	--
RISB-22	6.5-7.5	3/28/2019	N	EV19030195-07	1.5 U	10 U	10 U	10 U	10 U
RISB-22	19-20	3/28/2019	N	EV19030195-08	1.5 U	10 U	10 U	10 U	10 U

Table 4
Building C-20, C-21, C-22 Soil Analytical Results
Former TECT Aerospace Phase III Remedial Investigation/Feasibility Study
Paine Field – Everett, Washington

Sampling Location	Sample Depth (ft)	Sampling Date	Sample Type	Laboratory Sample ID	Volatile Organic Compounds (µg/kg; SW-846 8260C)				
					Methyl-tert-butyl ether	Naphthalene	n-Propylbenzene	sec-Butylbenzene	trans-1,2-Dichloroethene
Screening Level:					7.23	236	8,000,000	8,000,000	32.5
RISB-23	14-15	3/28/2019	N	EV19030195-09	1.5 U	10 U	10 U	10 U	10 U
RISB-23	19-20	3/28/2019	N	EV19030195-10	1.5 U	10 U	10 U	10 U	10 U
RISB-24	2-3	3/20/2019	N	EV19030129-05	1.5 U	10 U	10 U	10 U	10 U
RISB-25	2-3	3/20/2019	N	EV19030129-01	1.5 U	10 U	10 U	10 U	10 U
RISB-26	2-3	4/2/2019	N	EV19040019-02	--	--	--	--	--
RISB-26	6-7	4/2/2019	N	EV19040019-03	1.5 U	10 U	10 U	10 U	10 U
RISB-26	24-25	4/2/2019	N	EV19040019-05	1.5 U	10 U	10 U	10 U	10 U
RISB-27	2-3	4/2/2019	N	EV19040019-07	--	--	--	--	--
RISB-27	39-40	4/2/2019	N	EV19040019-10	1.5 U	10 U	10 U	10 U	10 U
RISB-27	44-45	4/2/2019	N	EV19040019-11	1.5 U	10 U	10 U	10 U	10 U
RISB-28	0.7-1.7	3/19/2019	N	EV19030128-11	1.5 U	10 U	10 U	10 U	10 U
RISB-28	11-12	3/19/2019	N	EV19030128-06	1.5 U	10 U	10 U	10 U	10 U
RISB-49	6-7	3/20/2019	N	EV19030129-03	1.5 U	10 U	10 U	10 U	10 U
RISB-49	24-25	3/20/2019	N	EV19030129-08	1.5 U	10 U	10 U	10 U	10 U
RISB-50	13.5-14.5	3/18/2019	N	EV19030110-06	1.5 U	10 U	10 U	10 U	10 U
RISB-50	24-25	3/18/2019	N	EV19030110-07	1.5 U	10 U	10 U	10 U	10 U
RISB-59	12.5-13.5	8/27/2019	N	EV19080191-01	1.5 U	10 U	10 U	10 U	10 U
RISB-59	19-20	8/27/2019	N	EV19080191-02	1.5 U	10 U	10 U	10 U	10 U
RISB-60	6.5-7.5	8/26/2019	N	EV19080183-01	1.5 U	10 U	10 U	10 U	10 U
RISB-60	24-25	8/26/2019	N	EV19080183-02	1.5 U	10 U	10 U	10 U	10 U
RISB-69	19-20	12/1/2022	N	EV22120005-07	1.5 U	10 U	10 U	10 U	10 U
RISB-69	29-30	12/1/2022	N	EV22120005-09	1.5 U	10 U	10 U	10 U	10 U
RISB-69	9-10	12/1/2022	N	EV22120005-06	1.5 U	10 U	10 U	10 U	10 U
RISB-70	19-20	11/30/2022	N	EV22120005-03	1.5 U	10 U	10 U	10 U	10 U
RISB-70	29-30	11/30/2022	N	EV22120005-05	1.5 U	10 U	10 U	10 U	10 U
RISB-70	9-10	11/30/2022	N	EV22120005-02	1.5 U	10 U	10 U	10 U	10 U
RISB-71	19-20	12/1/2022	N	EV22120015-04	1.5 U	10 U	10 U	10 U	10 U
RISB-71	29-30	12/2/2022	N	EV22120015-06	1.5 U	10 U	10 U	10 U	10 U
RISB-71	9-10	12/1/2022	N	EV22120015-03	1.5 U	10 U	10 U	10 U	10 U
RISB-71	9-10	12/1/2022	FD	EV22120015-02	1.5 U	10 U	10 U	10 U	10 U

Notes:

- = not analyzed
- U = The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.
- J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
- Blue shading** indicates detected analyte exceeds applicable cleanup level.
- Yellow shading** indicates sample was collected as part of Phase III investigation.

Abbreviations and Acronyms:

- ASTM = ASTM International
- FD = field duplicate
- ft = feet
- ID = identification
- µg/kg = micrograms per kilogram
- mg/kg = milligrams per kilogram
- N = primary sample
- N/A = not applicable
- NWTPH-Dx = Northwest total petroleum hydrocarbon extended-range diesel analysis
- NWTPH-Gx = Northwest total petroleum hydrocarbon extended-range gasoline analysis
- PCBs = polychlorinated biphenyls

Table 5
Building C-23 Soil Analytical Results
Former TECT Aerospace Phase III Remedial Investigation/Feasibility Study
Paine Field – Everett, Washington

Sampling Location	Sample Depth (ft)	Sampling Date	Sample Type	Laboratory Sample ID	Metals (mg/kg; SW-846 6020, 7196A, 7471B)							PCBs (mg/kg; SW-846 8082A)							General Chemistry (%; ASTM D4129-05M)	Petroleum Hydrocarbons (mg/kg; NWTPH-Gx, -Dx)			Volatile Organic Compounds (µg/kg; SW-846 8260C)										
					Arsenic	Cadmium	Chromium, Total	Chromium, Hexavalent	Chromium, Trivalent	Lead	Mercury	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260		Aroclor 1268	Total PCBs	Total Organic Carbon	GRO C5-C12	DRO C12-C24	ORO C24-C40	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	Benzene		
Screening Level:					7	1	42	N/A	N/A	150	0.105	5.6	N/A	N/A	N/A	N/A	0.5	0.5	N/A	0.5	N/A	30	2,000	2,000	2.76	0.206	5.15	0.0089	84.3	0.277			
RISB-14	4-5	4/1/2019	FD	EV19040010-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U				
RISB-14	9-10	4/1/2019	N	EV19040010-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	4.2	1.5 U	0.050 U	10 U	1.5 U				
RISB-14	19-20	4/1/2019	N	EV19040010-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U				
RISB-14	44-45	4/1/2019	N	EV19040010-11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U				
RISB-15	9-10	3/21/2019	N	EV19030147-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	4,400	2.7	0.050 U	10 U	1.5 U				
RISB-15	13-14	3/21/2019	N	EV19030147-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	25 U	50 U	--	--	--	--	--	--	--				
RISB-15	17-18	3/21/2019	N	EV19030147-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	4,200	3.3	0.056	10 U	1.5 U				
RISB-15	34-35	3/21/2019	N	EV19030147-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.6	1.5 U	0.050 U	10 U	1.5 U				
RISB-29	11-12	3/19/2019	N	EV19030128-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	25 U	50 U	1.5 U	3,600	500	0.18	10 U	1.5 U					
RISB-29	11-12	3/19/2019	FD	EV19030128-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	25 U	50 U	1.5 U	3,100	430	0.24	10 U	1.5 U					
RISB-29	24-25	3/19/2019	N	EV19030128-12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U					
RISB-30	9-10	3/22/2019	N	EV19030160-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U				
RISB-30	19-20	3/22/2019	N	EV19030160-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.061	10 U	1.5 U				
RISB-31	2-3	3/22/2019	N	EV19030160-04	3.6	0.50 U	29	--	--	3.2	0.024	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--				
RISB-31	6.5-7.5	3/22/2019	N	EV19030160-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.17	--	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U				
RISB-31	6.5-7.5	3/22/2019	FD	EV19030160-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.12	--	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U				
RISB-31	14-15	3/22/2019	N	EV19030160-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.14	--	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U				
RISB-32	4-5	3/22/2019	N	EV19030150-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U				
RISB-32	6-7	3/22/2019	N	EV19030150-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	25 U	50 U	--	--	--	--	--	--	--				
RISB-32	14-15	3/22/2019	N	EV19030150-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U				
RISB-33	2.5-3.5	3/15/2019	N	EV19030106-10	2.5	0.50 U	29	--	--	2.8	0.020 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	--	--	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-33	9-10	3/15/2019	N	EV19030106-11	3.2	0.50 U	32	--	--	2.6	0.020	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	--	--	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-34	2-3	3/15/2019	N	EV19030106-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	25 U	50 U	--	--	--	--	--			
RISB-34	5-6	3/15/2019	N	EV19030106-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U		
RISB-35	3.5-4.5	3/14/2019	N	EV19030106-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U		
RISB-36	6-7	3/21/2019	N	EV19030147-11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	25 U	50 U	--	--	--	--	--			
RISB-36	9-10	3/21/2019	N	EV19030147-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U		
RISB-36	19-20	3/21/2019	N	EV19030147-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U			
RISB-37	0.5-1.5	3/15/2019	N	EV19030106-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U		
RISB-37	9-10	3/15/2019	N	EV19030106-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U		
RISB-38	9-10	3/13/2019	N	EV19030106-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U		
RISB-39	11-12	3/20/2019	N	EV19030129-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U				
RISB-39	24-25	3/20/2019	N	EV19030129-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U				

Table 5
Building C-23 Soil Analytical Results
Former TECT Aerospace Phase III Remedial Investigation/Feasibility Study
Paine Field – Everett, Washington

Sampling Location	Sample Depth (ft)	Sampling Date	Sample Type	Laboratory Sample ID	Metals (mg/kg; SW-846 6020, 7196A, 7471B)							PCBs (mg/kg; SW-846 8082A)							General Chemistry (%; ASTM D4129-05M)	Petroleum Hydrocarbons (mg/kg; NWTPH-Gx, -Dx)			Volatile Organic Compounds (µg/kg; SW-846 8260C)						
					Arsenic	Cadmium	Chromium, Total	Chromium, Hexavalent	Chromium, Trivalent	Lead	Mercury	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260		Aroclor 1268	Total PCBs	Total Organic Carbon	GRO C5-C12	DRO C12-C24	ORO C24-C40	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	Vinyl Chloride
Screening Level:					7	1	42	N/A	N/A	150	0.105	5.6	N/A	N/A	N/A	0.5	0.5	N/A	0.5	N/A	30	2,000	2,000	2.76	0.206	5.15	0.0089	84.3	0.277
RISB-40	2-3	3/21/2019	N	EV19030147-03	2.6	0.50 U	31	--	--	2.9	0.024	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RISB-40	9-10	3/21/2019	N	EV19030147-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	
RISB-40	19-20	3/21/2019	N	EV19030147-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	
RISB-47	6.5-7.5	4/5/2019	N	EV19040051-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U	1.5 U	9,600	630	0.55	10 U	1.5 U	
RISB-47	27-28	4/5/2019	N	EV19040051-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	
RISB-48	5.5-6.5	4/5/2019	N	EV19040051-12	2.1	0.50 U	31	--	--	1.7	0.020 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.064	3.0 U	25 U	50 U	1.5 U	810	1,000	6.7	10 U	1.5 U
RISB-48	9-10	4/5/2019	N	EV19040051-11	2.5	0.50 U	450	--	--	1.8	0.020 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	--	3.0 U	25 U	50 U	1.5 U	2,700	690	6.1	10 U	1.5 U
RISB-48	14-15	4/5/2019	N	EV19040051-10	2.8	0.50 U	36	--	--	2.2	0.020 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.092	--	25 U	50 U	1.5 U	1.5	1.5 U	0.050 U	10 U	1.5 U
RISB-51	7.5-8.5	3/19/2019	N	EV19030128-08	3.2	0.50 U	29	--	--	2.3	0.020 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.11	--	25 U	50 U	1.5 U	33	1,100	1.3	10 U	1.5 U
RISB-51	24-25	3/19/2019	N	EV19030128-07	2.7	0.50 U	24	--	--	1.7	0.020 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.11	--	25 U	50 U	1.5 U	1.5 U	9.7	0.38	10 U	1.5 U
RISB-52	1.5-2.5	3/22/2019	N	EV19030150-09	3.4	0.50 U	36	--	--	3.4	0.020 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	--	--	--	--	--	--	--	--	--	--
RISB-52	10.5-11.5	3/22/2019	N	EV19030150-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	25 U	50 U	1.5 U	1.5 U	1.5 U	0.10	10 U	1.5 U
RISB-52	19-20	3/22/2019	N	EV19030150-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-53	2-3	3/14/2019	N	EV19030106-03	2.7	0.50 U	34	--	--	2.5	0.020 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	--	--	120 U	2,100	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-53	9-10	3/14/2019	N	EV19030106-04	3.1	0.50 U	29	--	--	2.3	0.020 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	--	--	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-59	12.5-13.5	8/27/2019	N	EV19080191-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-59	19-20	8/27/2019	N	EV19080191-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-60	6.5-7.5	8/26/2019	N	EV19080183-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U	1.5 U	6.3	1.5 U	0.17	10 U	1.5 U
RISB-60	24-25	8/26/2019	N	EV19080183-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-61	6.5-7.5	8/27/2019	N	EV19080191-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U	1.5 U	1.5 U	6.1	0.31	10 U	1.5 U
RISB-61	29-30	8/27/2019	N	EV19080191-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-62	14-15	8/27/2019	N	EV19080191-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-62	24-25	8/27/2019	N	EV19080191-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-63	19-20	8/27/2019	N	EV19080191-03	3.2	0.50 U	31	5.0 U	31	2.7	0.025	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-63	29-30	8/27/2019	N	EV19080191-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-78	9-10	11/29/2022	N	EV22110168-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-78	19-20	11/29/2022	N	EV22110168-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U
RISB-78	29-30	11/29/2022	N	EV22110169-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 UJ	1.5 UJ	1.5 UJ	0.050 UJ	10 UJ	1.5 UJ

Table 5
Building C-23 Soil Analytical Results
Former TECT Aerospace Phase III Remedial Investigation/Feasibility Study
Paine Field – Everett, Washington

Sampling Location	Sample Depth (ft)	Sampling Date	Sample Type	Laboratory Sample ID	Volatile Organic Compounds (µg/kg; SW-846 8260C)																						
					Toluene	Ethylbenzene	Xylenes, Total	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dibromoethane (EDB)	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	2-Hexanone	4-isopropyltoluene	4-Methyl-2-pentanone	Acetone	Carbon Disulfide	Carbon Tetrachloride	Chloroethane	Chloroform	Isopropylbenzene	Methyl Ethyl Ketone
Screening Level:					273	343	831	38,500	0.08	0.278	2.61	2.46	N/A	500	1.56	1.67	800,000	N/A	N/A	6,400,000	2,070	266	0.274	N/A	0.479	8,000,000	48,000,000
RISB-14	4-5	4/1/2019	FD	EV19040010-04	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-14	9-10	4/1/2019	N	EV19040010-09	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-14	19-20	4/1/2019	N	EV19040010-10	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-14	44-45	4/1/2019	N	EV19040010-11	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-15	9-10	3/21/2019	N	EV19030147-07	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-15	13-14	3/21/2019	N	EV19030147-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RISB-15	17-18	3/21/2019	N	EV19030147-06	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-15	34-35	3/21/2019	N	EV19030147-05	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-29	11-12	3/19/2019	N	EV19030128-10	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-29	11-12	3/19/2019	FD	EV19030128-09	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-29	24-25	3/19/2019	N	EV19030128-12	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-30	9-10	3/22/2019	N	EV19030160-06	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-30	19-20	3/22/2019	N	EV19030160-05	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-31	2-3	3/22/2019	N	EV19030160-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RISB-31	6.5-7.5	3/22/2019	N	EV19030160-03	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-31	6.5-7.5	3/22/2019	FD	EV19030160-01	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-31	14-15	3/22/2019	N	EV19030160-02	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-32	4-5	3/22/2019	N	EV19030150-03	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-32	6-7	3/22/2019	N	EV19030150-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RISB-32	14-15	3/22/2019	N	EV19030150-02	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-33	2.5-3.5	3/15/2019	N	EV19030106-10	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-33	9-10	3/15/2019	N	EV19030106-11	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-34	2-3	3/15/2019	N	EV19030106-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RISB-34	5-6	3/15/2019	N	EV19030106-08	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-35	3.5-4.5	3/14/2019	N	EV19030106-05	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-36	6-7	3/21/2019	N	EV19030147-11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RISB-36	9-10	3/21/2019	N	EV19030147-10	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-36	19-20	3/21/2019	N	EV19030147-09	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-37	0.5-1.5	3/15/2019	N	EV19030106-06	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-37	9-10	3/15/2019	N	EV19030106-07	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-38	9-10	3/13/2019	N	EV19030106-01	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-39	11-12	3/20/2019	N	EV19030129-09	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-39	24-25	3/20/2019	N	EV19030129-10	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U

Table 5
Building C-23 Soil Analytical Results
Former TECT Aerospace Phase III Remedial Investigation/Feasibility Study
Paine Field – Everett, Washington

Sampling Location	Sample Depth (ft)	Sampling Date	Sample Type	Laboratory Sample ID	Volatile Organic Compounds (µg/kg; SW-846 8260C)																						
					Toluene	Ethylbenzene	Xylenes, Total	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dibromoethane (EDB)	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	2-Hexanone	4-isopropyltoluene	4-Methyl-2-pentanone	Acetone	Carbon Disulfide	Carbon Tetrachloride	Chloroethane	Chloroform	Isopropylbenzene	Methyl Ethyl Ketone
Screening Level:					273	343	831	38,500	0.08	0.278	2.61	2.46	N/A	500	1.56	1.67	800,000	N/A	N/A	6,400,000	2,070	266	0.274	N/A	0.479	8,000,000	48,000,000
RISB-40	2-3	3/21/2019	N	EV19030147-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RISB-40	9-10	3/21/2019	N	EV19030147-02	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-40	19-20	3/21/2019	N	EV19030147-01	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-47	6.5-7.5	4/5/2019	N	EV19040051-03	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-47	27-28	4/5/2019	N	EV19040051-02	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-48	5.5-6.5	4/5/2019	N	EV19040051-12	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-48	9-10	4/5/2019	N	EV19040051-11	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	10	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-48	14-15	4/5/2019	N	EV19040051-10	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-51	7.5-8.5	3/19/2019	N	EV19030128-08	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-51	24-25	3/19/2019	N	EV19030128-07	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-52	1.5-2.5	3/22/2019	N	EV19030150-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RISB-52	10.5-11.5	3/22/2019	N	EV19030150-08	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-52	19-20	3/22/2019	N	EV19030150-07	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-53	2-3	3/14/2019	N	EV19030106-03	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-53	9-10	3/14/2019	N	EV19030106-04	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-59	12.5-13.5	8/27/2019	N	EV19080191-01	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-59	19-20	8/27/2019	N	EV19080191-02	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-60	6.5-7.5	8/26/2019	N	EV19080183-01	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-60	24-25	8/26/2019	N	EV19080183-02	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-61	6.5-7.5	8/27/2019	N	EV19080191-08	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-61	29-30	8/27/2019	N	EV19080191-07	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-62	14-15	8/27/2019	N	EV19080191-06	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-62	24-25	8/27/2019	N	EV19080191-05	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-63	19-20	8/27/2019	N	EV19080191-03	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-63	29-30	8/27/2019	N	EV19080191-04	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-78	9-10	11/29/2022	N	EV22110168-06	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-78	19-20	11/29/2022	N	EV22110168-07	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U
RISB-78	29-30	11/29/2022	N	EV22110169-01	10 UJ	10 UJ	20 UJ	10 UJ	1.5 UJ	1.5 UJ	1.5 UJ	1.5 UJ	10 UJ	5.0 UJ	1.5 UJ	1.5 UJ	10 UJ	50 UJ	10 UJ	50 UJ	50 UJ	10 UJ	1.5 UJ	10 UJ	1.5 UJ	10 UJ	50 UJ

Table 5
Building C-23 Soil Analytical Results
Former TECT Aerospace Phase III Remedial Investigation/Feasibility Study
Paine Field – Everett, Washington

Sampling Location	Sample Depth (ft)	Sampling Date	Sample Type	Laboratory Sample ID	Volatile Organic Compounds (µg/kg; SW-846 8260C)					
					Methylene Chloride	Methyl-tert-butyl ether	Naphthalene	n-Propylbenzene	sec-Butylbenzene	trans-1,2-Dichloroethene
Screening Level:					1.48	7.23	236	8,000,000	8,000,000	32.5
RISB-14	4-5	4/1/2019	FD	EV19040010-04	1.6 U	1.5 U	10 U	10 U	10 U	10 U
RISB-14	9-10	4/1/2019	N	EV19040010-09	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-14	19-20	4/1/2019	N	EV19040010-10	1.8 U	1.5 U	10 U	10 U	10 U	10 U
RISB-14	44-45	4/1/2019	N	EV19040010-11	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-15	9-10	3/21/2019	N	EV19030147-07	1.6 U	1.5 U	10 U	10 U	10 U	10 U
RISB-15	13-14	3/21/2019	N	EV19030147-08	--	--	--	--	--	--
RISB-15	17-18	3/21/2019	N	EV19030147-06	1.6 U	1.5 U	10 U	10 U	10 U	10 U
RISB-15	34-35	3/21/2019	N	EV19030147-05	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-29	11-12	3/19/2019	N	EV19030128-10	1.5 U	1.5 U	10 U	10 U	10 U	24
RISB-29	11-12	3/19/2019	FD	EV19030128-09	1.5 U	1.5 U	10 U	10 U	10 U	370
RISB-29	24-25	3/19/2019	N	EV19030128-12	1.9 U	1.5 U	10 U	10 U	10 U	10 U
RISB-30	9-10	3/22/2019	N	EV19030160-06	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-30	19-20	3/22/2019	N	EV19030160-05	1.8 U	1.5 U	10 U	10 U	10 U	10 U
RISB-31	2-3	3/22/2019	N	EV19030160-04	--	--	--	--	--	--
RISB-31	6.5-7.5	3/22/2019	N	EV19030160-03	1.7 U	1.5 U	10 U	10 U	10 U	10 U
RISB-31	6.5-7.5	3/22/2019	FD	EV19030160-01	1.6 U	1.5 U	10 U	10 U	10 U	10 U
RISB-31	14-15	3/22/2019	N	EV19030160-02	1.6 U	1.5 U	10 U	10 U	10 U	10 U
RISB-32	4-5	3/22/2019	N	EV19030150-03	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-32	6-7	3/22/2019	N	EV19030150-04	--	--	--	--	--	--
RISB-32	14-15	3/22/2019	N	EV19030150-02	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-33	2.5-3.5	3/15/2019	N	EV19030106-10	1.7 U	1.5 U	10 U	10 U	10 U	10 U
RISB-33	9-10	3/15/2019	N	EV19030106-11	1.7 U	1.5 U	10 U	10 U	10 U	10 U
RISB-34	2-3	3/15/2019	N	EV19030106-09	--	--	--	--	--	--
RISB-34	5-6	3/15/2019	N	EV19030106-08	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-35	3.5-4.5	3/14/2019	N	EV19030106-05	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-36	6-7	3/21/2019	N	EV19030147-11	--	--	--	--	--	--
RISB-36	9-10	3/21/2019	N	EV19030147-10	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-36	19-20	3/21/2019	N	EV19030147-09	2.0 U	1.5 U	10 U	10 U	10 U	10 U
RISB-37	0.5-1.5	3/15/2019	N	EV19030106-06	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-37	9-10	3/15/2019	N	EV19030106-07	1.6 U	1.5 U	10 U	10 U	10 U	10 U
RISB-38	9-10	3/13/2019	N	EV19030106-01	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-39	11-12	3/20/2019	N	EV19030129-09	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-39	24-25	3/20/2019	N	EV19030129-10	1.5 U	1.5 U	10 U	10 U	10 U	10 U

Table 5
Building C-23 Soil Analytical Results
Former TECT Aerospace Phase III Remedial Investigation/Feasibility Study
Paine Field – Everett, Washington

Sampling Location	Sample Depth (ft)	Sampling Date	Sample Type	Laboratory Sample ID	Volatile Organic Compounds (µg/kg; SW-846 8260C)					
					Methylene Chloride	Methyl-tert-butyl ether	Naphthalene	n-Propylbenzene	sec-Butylbenzene	trans-1,2-Dichloroethene
Screening Level:					1.48	7.23	236	8,000,000	8,000,000	32.5
RISB-40	2-3	3/21/2019	N	EV19030147-03	--	--	--	--	--	--
RISB-40	9-10	3/21/2019	N	EV19030147-02	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-40	19-20	3/21/2019	N	EV19030147-01	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-47	6.5-7.5	4/5/2019	N	EV19040051-03	1.5 U	1.5 U	10 U	10 U	10 U	10
RISB-47	27-28	4/5/2019	N	EV19040051-02	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-48	5.5-6.5	4/5/2019	N	EV19040051-12	2.2 U	1.5 U	10 U	10 U	10 U	10 U
RISB-48	9-10	4/5/2019	N	EV19040051-11	1.5 U	1.5 U	10 U	10 U	10 U	27
RISB-48	14-15	4/5/2019	N	EV19040051-10	4.3	1.5 U	10 U	10 U	10 U	10 U
RISB-51	7.5-8.5	3/19/2019	N	EV19030128-08	1.5 U	1.5 U	10 U	10 U	10 U	11
RISB-51	24-25	3/19/2019	N	EV19030128-07	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-52	1.5-2.5	3/22/2019	N	EV19030150-09	--	--	--	--	--	--
RISB-52	10.5-11.5	3/22/2019	N	EV19030150-08	1.7 U	1.5 U	10 U	10 U	10 U	10 U
RISB-52	19-20	3/22/2019	N	EV19030150-07	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-53	2-3	3/14/2019	N	EV19030106-03	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-53	9-10	3/14/2019	N	EV19030106-04	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-59	12.5-13.5	8/27/2019	N	EV19080191-01	1.7 U	1.5 U	10 U	10 U	10 U	10 U
RISB-59	19-20	8/27/2019	N	EV19080191-02	1.7 U	1.5 U	10 U	10 U	10 U	10 U
RISB-60	6.5-7.5	8/26/2019	N	EV19080183-01	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-60	24-25	8/26/2019	N	EV19080183-02	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-61	6.5-7.5	8/27/2019	N	EV19080191-08	1.8 U	1.5 U	10 U	10 U	10 U	10 U
RISB-61	29-30	8/27/2019	N	EV19080191-07	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-62	14-15	8/27/2019	N	EV19080191-06	1.6 U	1.5 U	10 U	10 U	10 U	10 U
RISB-62	24-25	8/27/2019	N	EV19080191-05	1.6 U	1.5 U	10 U	10 U	10 U	10 U
RISB-63	19-20	8/27/2019	N	EV19080191-03	1.8 U	1.5 U	10 U	10 U	10 U	10 U
RISB-63	29-30	8/27/2019	N	EV19080191-04	1.6 U	1.5 U	10 U	10 U	10 U	10 U
RISB-78	9-10	11/29/2022	N	EV22110168-06	1.6 U	1.5 U	10 U	10 U	10 U	10 U
RISB-78	19-20	11/29/2022	N	EV22110168-07	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-78	29-30	11/29/2022	N	EV22110169-01	1.6 UJ	1.5 UJ	10 UJ	10 UJ	10 UJ	10 UJ


Notes:

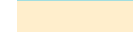
-- = not analyzed

U = The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.

J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

Bold text indicates detected analyte.

 Blue shading indicates detected analyte exceeds applicable cleanup level.

 Yellow shading indicates sample was collected as part of Phase III investigation.

Abbreviations and Acronyms:

ASTM = ASTM International

FD = field duplicate

ft = feet

ID = identification

µg/kg = micrograms per kilogram

mg/kg = milligrams per kilogram

N = primary sample

N/A = not applicable

NWTPH-Dx = Northwest total petroleum hydrocarbon extended-range diesel analysis

NWTPH-Gx = Northwest total petroleum hydrocarbon extended-range gasoline analysis

PCBs = polychlorinated biphenyls

Table 6
Building C-29 Soil Analytical Results
Former TECT Aerospace Phase III Remedial Investigation/Feasibility Study
Paine Field – Everett, Washington

Sampling Location	Sample Depth (ft)	Sampling Date	Sample Type	Laboratory Sample ID	Metals (mg/kg; SW-846 6020, 7196A, 7471B)											PCBs (mg/kg; SW-846 8082A)										General Chemistry (%; ASTM D4129-05M)	Petroleum Hydrocarbons (mg/kg; NWTPH-Gx, -Dx)																	
					Arsenic	Barium	Cadmium	Chromium, Total	Chromium, Hexavalent	Chromium, Trivalent	Lead	Nickel	Selenium	Silver	Zinc	Mercury	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1268	Total PCBs	Total Organic Carbon	GRO C5-C12	DRO C12-C24	ORO C24-C40															
					7	NE	1	42	N/A	N/A	150	NE	NE	NE	NE	0.105	5.6	N/A	N/A	N/A	N/A	0.5	0.5	N/A	0.5	N/A	30	2,000	2,000															
RISB-30	9-10	3/22/2019	N	EV19030160-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--								
RISB-30	19-20	3/22/2019	N	EV19030160-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--								
RISB-31	2-3	3/22/2019	N	EV19030160-04	3.6	--	0.50 U	29	--	--	3.2	--	--	--	0.024	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--							
RISB-31	6.5-7.5	3/22/2019	N	EV19030160-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.17	--	25 U	50 U	--	--	--	--	--	--	--	--	--							
RISB-31	6.5-7.5	3/22/2019	FD	EV19030160-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.12	--	25 U	50 U	--	--	--	--	--	--	--	--	--							
RISB-31	14-15	3/22/2019	N	EV19030160-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.14	--	25 U	50 U	--	--	--	--	--	--	--	--	--							
RISB-41	1-2	4/4/2019	N	EV19040046-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U	--	--	--	--	--	--	--	--	--							
RISB-41	5.5-6.5	4/4/2019	N	EV19040046-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	25 U	50 U	--	--	--	--	--	--	--	--	--							
RISB-41	19-20	4/4/2019	N	EV19040046-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--						
RISB-42	6.5-7.5	4/3/2019	N	EV19040031-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.16	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
RISB-42	11.5-12.5	4/3/2019	N	EV19040031-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.23	3.0 U	25 U	50 U	--	--	--	--	--	--	--	--	--	--	--	--				
RISB-42	19-20	4/3/2019	N	EV19040031-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--				
RISB-43	3-4	4/4/2019	N	EV19040046-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U	--	--	--	--	--	--	--	--	--	--	--	--				
RISB-43	6-7	4/4/2019	N	EV19040046-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--				
RISB-43	14-15	4/4/2019	N	EV19040046-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--				
RISB-44	5-6	4/5/2019	N	EV19040051-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	71	--	--	--	--	--	--	--	--	--	--	--	--	--			
RISB-44	10.5-11.5	4/5/2019	N	EV19040051-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
RISB-44	10.5-11.5	4/5/2019	FD	EV19040051-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
RISB-44	19-20	4/5/2019	N	EV19040051-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	25 U	50 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
RISB-45	1.5-2	4/4/2019	N	EV19040046-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
RISB-45	14-15	4/4/2019	N	EV19040046-11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	32	120	290	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RISB-45	34-35	4/4/2019	N	EV19040046-12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RISB-46	3-4	4/3/2019	N	EV19040031-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RISB-46	7.5-8.5	4/3/2019	N	EV19040031-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RISB-46	29.5-30.5	4/3/2019	N	EV19040031-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RISB-46	39-40	4/3/2019	N	EV19040031-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RISB-47	6.5-7.5	4/5/2019	N	EV19040051-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RISB-47	27-28	4/5/2019	N	EV19040051-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RISB-48	5.5-6.5	4/5/2019	N	EV19040051-12	2.1	--	0.50 U	31	--	--	1.7	--	--	--	0.020 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.064	3.0 U	25 U	50 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RISB-48	9-10	4/5/2019	N	EV19040051-11	2.5	--	0.50 U	450	--	--	1.8	--	--	--	0.020 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	--	3.0 U	25 U	50 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RISB-48	14-15	4/5/2019	N	EV19040051-10	2.8	--	0.50 U	36	--	--	2.2	--	--	--	0.020 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.092	--	25 U	50 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RISB-52	1.5-2.5	3/22/2019	N	EV19030150-09	3.4	--	0.50 U	36	--	--	3.4	--	--	--	0.020 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RISB-52	10.5-11.5	3/22/2019	N	EV19030150-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	25 U	50 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RISB-52	19-20	3/22/2019	N	EV19030150-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	25 U	50 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 6
Building C-29 Soil Analytical Results
Former TECT Aerospace Phase III Remedial Investigation/Feasibility Study
Paine Field – Everett, Washington

Sampling Location	Sample Depth (ft)	Sampling Date	Sample Type	Laboratory Sample ID	Metals (mg/kg; SW-846 6020, 7196A, 7471B)											PCBs (mg/kg; SW-846 8082A)									General Chemistry (%; ASTM D4129-05M)	Petroleum Hydrocarbons (mg/kg; NWTPH-Gx, -Dx)			
					Arsenic	Barium	Cadmium	Chromium, Total	Chromium, Hexavalent	Chromium, Trivalent	Lead	Nickel	Selenium	Silver	Zinc	Mercury	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1268	Total PCBs	Total Organic Carbon	GRO C5-C12	DRO C12-C24	ORO C24-C40
					7	NE	1	42	N/A	N/A	150	NE	NE	NE	NE	0.105	5.6	N/A	N/A	N/A	N/A	0.5	0.5	N/A	0.5	N/A	30	2,000	2,000
RISB-64	10-11	8/30/2019	N	EV19080215-11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	180		
RISB-64	24-25	8/30/2019	N	EV19080215-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U		
RISB-65	5-6	8/29/2019	N	EV19080215-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U		
RISB-65	19-20	8/29/2019	N	EV19080215-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U		
RISB-66	9-10	8/29/2019	N	EV19080215-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U		
RISB-66	9-10	8/29/2019	FD	EV19080215-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U		
RISB-66	44-45	8/29/2019	N	EV19080215-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U		
RISB-67	14-15	8/30/2019	N	EV19080222-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U		
RISB-67	54-55	8/30/2019	N	EV19080222-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U		
RISB-68	26.5-27.5	8/28/2019	N	EV19080202-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U		
RISB-68	49-50	8/28/2019	N	EV19080202-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U		
RISB-74	7-8	11/21/2022	N	EV22110140-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U		
RISB-74	19-20	11/21/2022	N	EV22110140-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U		
RISB-74	29-30	11/21/2022	N	EV22110140-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U		
RISB-75	7-8	11/22/2022	N	EV22110140-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
RISB-75	17-18	11/22/2022	N	EV22110140-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
RISB-75	29-30	11/22/2022	N	EV22110140-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
RISB-76	9-10	11/22/2022	N	EV22110154-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
RISB-76	19-20	11/22/2022	N	EV22110154-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
RISB-76	29-30	11/22/2022	N	EV22110154-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
RISB-77	9-10	11/23/2022	N	EV22110154-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
RISB-77	19-20	11/23/2022	N	EV22110154-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
RISB-77	29-30	11/23/2022	N	EV22110154-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
RISB-78	9-10	11/29/2022	N	EV22110168-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
RISB-78	19-20	11/29/2022	N	EV22110168-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
RISB-78	29-30	11/29/2022	N	EV22110169-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
RISB-79	9-10	11/29/2022	N	EV22110168-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
RISB-79	19-20	11/29/2022	N	EV22110168-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
RISB-79	29-30	11/29/2022	N	EV22110168-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
RISB-80	9-10	11/8/2022	N	EV22110065-01	1.7	--	0.50 U	34	--	--	2.0	--	--	--	0.022	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U		
RISB-80	9-10	11/8/2022	FD	EV22110065-03	1.7	--	0.50 U	29	--	--	1.8	--	--	--	0.020 U	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U		
RISB-80	11-12	11/8/2022	N	EV22110065-02	2.8	68	0.10 U	31	--	--	2.3	47	1.0 U	0.10 U	44	0.023	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U		
RISB-80	24-25	11/9/2022	N	EV22110065-05	3.9	--	0.50 U	34	--	--	2.6	--	--	--	0.021	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U		
RISB-80	34-35	11/9/2022	N	EV22110065-06	3.3	--	0.50 U	39	--	--	3.2	--	--	--	0.027	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U		
RISB-80	39-40	11/9/2022	N	EV22110065-07	2.9	--	0.50 U	35	--	--	2.4	--	--	--	0.022	--	--	--	--	--	--	--	--	--	3.0 U	25 U	50 U		

Table 6
Building C-29 Soil Analytical Results
Former TECT Aerospace Phase III Remedial Investigation/Feasibility Study
Paine Field – Everett, Washington

Sampling Location	Sample Depth (ft)	Sampling Date	Sample Type	Laboratory Sample ID	Volatile Organic Compounds (µg/kg; SW-846 8260C)																							
					Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	Benzene	Toluene	Ethylbenzene	Xylenes, Total	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dibromoethane (EDB)	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	2-Hexanone	4-isopropyltoluene	4-Methyl-2-pentanone	Acetone	Carbon Disulfide
Screening Level:					2.76	0.206	5.15	0.0089	84.3	0.277	273	343	831	38,500	0.08	0.278	2.61	2.46	N/A	500	1.56	1.67	800,000	N/A	N/A	6,400,000	2,070	266
RISB-30	9-10	3/22/2019	N	EV19030160-06	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	10 U	
RISB-30	19-20	3/22/2019	N	EV19030160-05	1.5 U	1.5 U	1.5 U	0.061	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	10 U	
RISB-31	2-3	3/22/2019	N	EV19030160-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RISB-31	6.5-7.5	3/22/2019	N	EV19030160-03	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	10 U	
RISB-31	6.5-7.5	3/22/2019	FD	EV19030160-01	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	10 U	
RISB-31	14-15	3/22/2019	N	EV19030160-02	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	10 U	
RISB-41	1-2	4/4/2019	N	EV19040046-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RISB-41	5.5-6.5	4/4/2019	N	EV19040046-03	1.5 U	4.2	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	10 U	
RISB-41	19-20	4/4/2019	N	EV19040046-04	1.5 U	2.4	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	10 U	
RISB-42	6.5-7.5	4/3/2019	N	EV19040031-07	1.5 U	1.5 U	34	13	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	10 U	
RISB-42	11.5-12.5	4/3/2019	N	EV19040031-09	1.5 U	9.8	820	10	10 U	2.0	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	10 U	
RISB-42	19-20	4/3/2019	N	EV19040031-08	1.5 U	1.5 U	1.5 U	0.13	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	10 U	
RISB-43	3-4	4/4/2019	N	EV19040046-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RISB-43	6-7	4/4/2019	N	EV19040046-07	1.5 U	3.4	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	10 U	
RISB-43	14-15	4/4/2019	N	EV19040046-06	1.5 U	1.8	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	10 U	
RISB-44	5-6	4/5/2019	N	EV19040051-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RISB-44	10.5-11.5	4/5/2019	N	EV19040051-05	1.5 U	7,000	1,400	4.0	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	20	1.5 U	10 U	50 U	10 U	50 U	10 U	
RISB-44	10.5-11.5	4/5/2019	FD	EV19040051-09	1.5 U	5,200	1,000	11	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	3.1	10 U	5.0 U	120	1.5 U	10 U	50 U	10 U	50 U	10 U	
RISB-44	19-20	4/5/2019	N	EV19040051-06	1.5 U	11	13	0.50	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	10 U	
RISB-45	1.5-2	4/4/2019	N	EV19040046-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RISB-45	14-15	4/4/2019	N	EV19040046-11	54,000	230,000	26	0.25	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5	1.5 U	10 U	5.0 U	6.4	1.5	10 U	50 U	10 U	50 U	10 U	
RISB-45	34-35	4/4/2019	N	EV19040046-12	2.1	17	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	10 U	
RISB-46	3-4	4/3/2019	N	EV19040031-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RISB-46	7.5-8.5	4/3/2019	N	EV19040031-02	10	3,500	460	0.75	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	10 U	
RISB-46	29.5-30.5	4/3/2019	N	EV19040031-04	1.5 U	20	22	0.52	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.8	1.5 U	10 U	50 U	10 U	50 U	10 U	
RISB-46	39-40	4/3/2019	N	EV19040031-05	1.5 U	1.5 U	1.5 U	0.12	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	10 U	
RISB-47	6.5-7.5	4/5/2019	N	EV19040051-03	1.5 U	9,600	630	0.55	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	10 U	
RISB-47	27-28	4/5/2019	N	EV19040051-02	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	10 U	
RISB-48	5.5-6.5	4/5/2019	N	EV19040051-12	1.5 U	810	1,000	6.7	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	10 U	
RISB-48	9-10	4/5/2019	N	EV19040051-11	1.5 U	2,700	690	6.1	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	10	1.5 U	10 U	50 U	10 U	50 U	10 U	
RISB-48	14-15	4/5/2019	N	EV19040051-10	1.5 U	1.5	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	10 U	
RISB-52	1.5-2.5	3/22/2019	N	EV19030150-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RISB-52	10.5-11.5	3/22/2019	N	EV19030150-08	1.5 U	1.5 U	1.5 U	0.10	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	10 U	
RISB-52	19-20	3/22/2019	N	EV19030150-07	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	10 U	

Table 6
Building C-29 Soil Analytical Results
Former TECT Aerospace Phase III Remedial Investigation/Feasibility Study
Paine Field – Everett, Washington

Sampling Location	Sample Depth (ft)	Sampling Date	Sample Type	Laboratory Sample ID	Volatile Organic Compounds (µg/kg; SW-846 8260C)																							
					Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	Benzene	Toluene	Ethylbenzene	Xylenes, Total	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dibromoethane (EDB)	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	2-Hexanone	4-isopropyltoluene	4-Methyl-2-pentanone	Acetone	Carbon Disulfide
Screening Level:					2.76	0.206	5.15	0.0089	84.3	0.277	273	343	831	38,500	0.08	0.278	2.61	2.46	N/A	500	1.56	1.67	800,000	N/A	N/A	6,400,000	2,070	266
RISB-64	10-11	8/30/2019	N	EV19080215-11	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	10 U	
RISB-64	24-25	8/30/2019	N	EV19080215-10	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	10 U	
RISB-65	5-6	8/29/2019	N	EV19080215-06	1.5 U	1.7	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	10 U	
RISB-65	19-20	8/29/2019	N	EV19080215-07	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	10 U	
RISB-66	9-10	8/29/2019	N	EV19080215-03	3.0	3,900 J	480 J	0.58	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	2.8	2.8	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	10 U	
RISB-66	9-10	8/29/2019	FD	EV19080215-04	2.7	20,000 J	820 J	0.50	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	2.1	2.3	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	10 U	
RISB-66	44-45	8/29/2019	N	EV19080215-02	1.5 U	6.8	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	10 U	
RISB-67	14-15	8/30/2019	N	EV19080222-03	1.7	7,900	160	1.2	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.7	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	10 U	
RISB-67	54-55	8/30/2019	N	EV19080222-02	1.5 U	9.8	2.7	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	10 U	
RISB-68	26.5-27.5	8/28/2019	N	EV19080202-01	4.3	7,900	34 J	0.10	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	2.8	1.5 U	10 U	50 U	10 U	50 U	10 U	
RISB-68	49-50	8/28/2019	N	EV19080202-02	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	10 U	
RISB-74	7-8	11/21/2022	N	EV22110140-01	1.5 U	1.5 U	1.5 U	0.069	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	10 U	
RISB-74	19-20	11/21/2022	N	EV22110140-02	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	10 U	
RISB-74	29-30	11/21/2022	N	EV22110140-03	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	10 U	
RISB-75	7-8	11/22/2022	N	EV22110140-04	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	10 U	
RISB-75	17-18	11/22/2022	N	EV22110140-05	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	10 U	
RISB-75	29-30	11/22/2022	N	EV22110140-06	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	10 U	
RISB-76	9-10	11/22/2022	N	EV22110154-02	1.5	1,000	2.2	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	10 U	
RISB-76	19-20	11/22/2022	N	EV22110154-03	1.5 U	6,400	30	0.35	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	5.9	1.5 U	10 U	50 U	10 U	50 U	10 U	
RISB-76	29-30	11/22/2022	N	EV22110154-06	1.5 U	3.2	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	10 U	
RISB-77	9-10	11/23/2022	N	EV22110154-07	1.5 U	1.5 U	1.5 U	0.11	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	10 U	
RISB-77	19-20	11/23/2022	N	EV22110154-08	1.5 U	13	12	0.23	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	10 U	
RISB-77	29-30	11/23/2022	N	EV22110154-10	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	10 U	
RISB-78	9-10	11/29/2022	N	EV22110168-06	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	10 U	
RISB-78	19-20	11/29/2022	N	EV22110168-07	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	10 U	
RISB-78	29-30	11/29/2022	N	EV22110169-01	1.5 UJ	1.5 UJ	1.5 UJ	0.050 UJ	10 UJ	1.5 UJ	10 UJ	10 UJ	20 UJ	10 UJ	1.5 UJ	1.5 UJ	1.5 UJ	1.5 UJ	10 UJ	5.0 UJ	1.5 UJ	1.5 UJ	10 UJ	50 UJ	10 UJ	50 UJ	10 UJ	
RISB-79	9-10	11/29/2022	N	EV22110168-02	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	10 U	
RISB-79	19-20	11/29/2022	N	EV22110168-03	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	10 U	
RISB-79	29-30	11/29/2022	N	EV22110168-05	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	10 U	
RISB-80	9-10	11/8/2022	N	EV22110065-01	6.4	3,500 J	19 J	0.23	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	7.1 J	1.5 U	10 U	50 U	10 U	50 U	10 U	
RISB-80	9-10	11/8/2022	FD	EV22110065-03	4.9	940 J	6.9 J	0.17	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	4.0 J	1.5 U	10 U	50 U	10 U	50 U	10 U	
RISB-80	11-12	11/8/2022	N	EV22110065-02	1.5 U	15,000	1,200	6.4	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	6.5	10 U	5.0 U	150	1.5 U	10 U	50 U	10 U	50 U	10 U	
RISB-80	24-25	11/9/2022	N	EV22110065-05	1.5 U	2,900	5.5	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	10 U	
RISB-80	34-35	11/9/2022	N	EV22110065-06	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	10 U	
RISB-80	39-40	11/9/2022	N	EV22110065-07	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U	10 U	

Table 6
Building C-29 Soil Analytical Results
Former TECT Aerospace Phase III Remedial Investigation/Feasibility Study
Paine Field – Everett, Washington

Sampling Location	Sample Depth (ft)	Sampling Date	Sample Type	Laboratory Sample ID	Volatile Organic Compounds (µg/kg; SW-846 8260C)										
					Carbon Tetrachloride	Chloroethane	Chloroform	Isopropylbenzene	Methyl Ethyl Ketone	Methylene Chloride	Methyl-tert-butyl ether	Naphthalene	n-Propylbenzene	sec-Butylbenzene	trans-1,2-Dichloroethene
Screening Level:					0.274	N/A	0.479	8,000,000	48,000,000	1.48	7.23	236	8,000,000	8,000,000	32.5
RISB-30	9-10	3/22/2019	N	EV19030160-06	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-30	19-20	3/22/2019	N	EV19030160-05	1.5 U	10 U	1.5 U	10 U	50 U	1.8 U	1.5 U	10 U	10 U	10 U	10 U
RISB-31	2-3	3/22/2019	N	EV19030160-04	--	--	--	--	--	--	--	--	--	--	--
RISB-31	6.5-7.5	3/22/2019	N	EV19030160-03	1.5 U	10 U	1.5 U	10 U	50 U	1.7 U	1.5 U	10 U	10 U	10 U	10 U
RISB-31	6.5-7.5	3/22/2019	FD	EV19030160-01	1.5 U	10 U	1.5 U	10 U	50 U	1.6 U	1.5 U	10 U	10 U	10 U	10 U
RISB-31	14-15	3/22/2019	N	EV19030160-02	1.5 U	10 U	1.5 U	10 U	50 U	1.6 U	1.5 U	10 U	10 U	10 U	10 U
RISB-41	1-2	4/4/2019	N	EV19040046-01	--	--	--	--	--	--	--	--	--	--	--
RISB-41	5.5-6.5	4/4/2019	N	EV19040046-03	1.5 U	10 U	1.5 U	10 U	50 U	1.8 U	1.5 U	10 U	10 U	10 U	10 U
RISB-41	19-20	4/4/2019	N	EV19040046-04	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-42	6.5-7.5	4/3/2019	N	EV19040031-07	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-42	11.5-12.5	4/3/2019	N	EV19040031-09	1.5 U	10 U	1.5 U	10 U	50 U	1.7 U	1.5 U	10 U	10 U	10 U	10 U
RISB-42	19-20	4/3/2019	N	EV19040031-08	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-43	3-4	4/4/2019	N	EV19040046-05	--	--	--	--	--	--	--	--	--	--	--
RISB-43	6-7	4/4/2019	N	EV19040046-07	1.5 U	10 U	1.5 U	10 U	50 U	1.9 U	1.5 U	10 U	10 U	10 U	10 U
RISB-43	14-15	4/4/2019	N	EV19040046-06	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-44	5-6	4/5/2019	N	EV19040051-07	--	--	--	--	--	--	--	--	--	--	--
RISB-44	10.5-11.5	4/5/2019	N	EV19040051-05	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	37
RISB-44	10.5-11.5	4/5/2019	FD	EV19040051-09	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	300
RISB-44	19-20	4/5/2019	N	EV19040051-06	1.5 U	10 U	1.5 U	10 U	50 U	1.8 U	1.5 U	10 U	10 U	10 U	10 U
RISB-45	1.5-2	4/4/2019	N	EV19040046-09	--	--	--	--	--	--	--	--	--	--	--
RISB-45	14-15	4/4/2019	N	EV19040046-11	1.5 U	10 U	1.5 U	10 U	50 U	1.7 U	1.5 U	10 U	10 U	10 U	10 U
RISB-45	34-35	4/4/2019	N	EV19040046-12	1.5 U	10 U	1.5 U	10 U	50 U	1.6 U	1.5 U	10 U	10 U	10 U	10 U
RISB-46	3-4	4/3/2019	N	EV19040031-03	--	--	--	--	--	--	--	--	--	--	--
RISB-46	7.5-8.5	4/3/2019	N	EV19040031-02	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-46	29.5-30.5	4/3/2019	N	EV19040031-04	1.5 U	10 U	1.5 U	10 U	50 U	1.7 U	1.5 U	10 U	10 U	10 U	10 U
RISB-46	39-40	4/3/2019	N	EV19040031-05	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-47	6.5-7.5	4/5/2019	N	EV19040051-03	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10
RISB-47	27-28	4/5/2019	N	EV19040051-02	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-48	5.5-6.5	4/5/2019	N	EV19040051-12	1.5 U	10 U	1.5 U	10 U	50 U	2.2 U	1.5 U	10 U	10 U	10 U	10 U
RISB-48	9-10	4/5/2019	N	EV19040051-11	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	27
RISB-48	14-15	4/5/2019	N	EV19040051-10	1.5 U	10 U	1.5 U	10 U	50 U	4.3	1.5 U	10 U	10 U	10 U	10 U
RISB-52	1.5-2.5	3/22/2019	N	EV19030150-09	--	--	--	--	--	--	--	--	--	--	--
RISB-52	10.5-11.5	3/22/2019	N	EV19030150-08	1.5 U	10 U	1.5 U	10 U	50 U	1.7 U	1.5 U	10 U	10 U	10 U	10 U
RISB-52	19-20	3/22/2019	N	EV19030150-07	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U

Table 6
Building C-29 Soil Analytical Results
Former TECT Aerospace Phase III Remedial Investigation/Feasibility Study
Paine Field – Everett, Washington

Sampling Location	Sample Depth (ft)	Sampling Date	Sample Type	Laboratory Sample ID	Volatile Organic Compounds (µg/kg; SW-846 8260C)										
					Carbon Tetrachloride	Chloroethane	Chloroform	Isopropylbenzene	Methyl Ethyl Ketone	Methylene Chloride	Methyl-tert-butyl ether	Naphthalene	n-Propylbenzene	sec-Butylbenzene	trans-1,2-Dichloroethene
Screening Level:					0.274	N/A	0.479	8,000,000	48,000,000	1.48	7.23	236	8,000,000	8,000,000	32.5
RISB-64	10-11	8/30/2019	N	EV19080215-11	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-64	24-25	8/30/2019	N	EV19080215-10	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-65	5-6	8/29/2019	N	EV19080215-06	1.5 U	10 U	1.5 U	10 U	50 U	2.0 U	1.5 U	10 U	10 U	10 U	10 U
RISB-65	19-20	8/29/2019	N	EV19080215-07	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-66	9-10	8/29/2019	N	EV19080215-03	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-66	9-10	8/29/2019	FD	EV19080215-04	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-66	44-45	8/29/2019	N	EV19080215-02	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-67	14-15	8/30/2019	N	EV19080222-03	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-67	54-55	8/30/2019	N	EV19080222-02	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-68	26.5-27.5	8/28/2019	N	EV19080202-01	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-68	49-50	8/28/2019	N	EV19080202-02	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-74	7-8	11/21/2022	N	EV22110140-01	1.5 U	10 U	1.5 U	10 U	50 U	1.6 U	1.5 U	10 U	10 U	10 U	10 U
RISB-74	19-20	11/21/2022	N	EV22110140-02	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-74	29-30	11/21/2022	N	EV22110140-03	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-75	7-8	11/22/2022	N	EV22110140-04	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-75	17-18	11/22/2022	N	EV22110140-05	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-75	29-30	11/22/2022	N	EV22110140-06	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-76	9-10	11/22/2022	N	EV22110154-02	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-76	19-20	11/22/2022	N	EV22110154-03	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-76	29-30	11/22/2022	N	EV22110154-06	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-77	9-10	11/23/2022	N	EV22110154-07	1.5 U	10 U	1.5 U	10 U	50 U	1.7 U	1.5 U	10 U	10 U	10 U	10 U
RISB-77	19-20	11/23/2022	N	EV22110154-08	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-77	29-30	11/23/2022	N	EV22110154-10	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-78	9-10	11/29/2022	N	EV22110168-06	1.5 U	10 U	1.5 U	10 U	50 U	1.6 U	1.5 U	10 U	10 U	10 U	10 U
RISB-78	19-20	11/29/2022	N	EV22110168-07	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-78	29-30	11/29/2022	N	EV22110169-01	1.5 UJ	10 UJ	1.5 UJ	10 UJ	50 UJ	1.6 UJ	1.5 UJ	10 UJ	10 UJ	10 UJ	10 UJ
RISB-79	9-10	11/29/2022	N	EV22110168-02	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-79	19-20	11/29/2022	N	EV22110168-03	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-79	29-30	11/29/2022	N	EV22110168-05	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-80	9-10	11/8/2022	N	EV22110065-01	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-80	9-10	11/8/2022	FD	EV22110065-03	1.5 U	10 U	1.5 U	10 U	50 U	1.9 U	1.5 U	10 U	10 U	10 U	10 U
RISB-80	11-12	11/8/2022	N	EV22110065-02	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	270
RISB-80	24-25	11/9/2022	N	EV22110065-05	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-80	34-35	11/9/2022	N	EV22110065-06	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RISB-80	39-40	11/9/2022	N	EV22110065-07	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U

Notes:

- = not analyzed
- U = The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.
- J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
- Bold** text indicates detected analyte.

- Blue shading indicates detected analyte exceeds applicable cleanup level.
- Yellow shading indicates sample was collected as part of Phase III investigation.

Abbreviations and Acronyms:

- ASTM = ASTM International
- FD = field duplicate
- ft = feet
- ID = identification
- µg/kg = micrograms per kilogram
- mg/kg = milligrams per kilogram
- N = primary sample
- N/A = not applicable
- NE = not established
- NWTPH-Dx = Northwest total petroleum hydrocarbon extended-range diesel analysis
- NWTPH-Gx = Northwest total petroleum hydrocarbon extended-range gasoline analysis
- PCBs = polychlorinated biphenyls

Table 7
Deep Aquifer Soil Analytical Results
Former TECT Aerospace Phase III Remedial Investigation/Feasibility Study
Paine Field – Everett, Washington

Sampling Location	Sample Depth (ft)	Sampling Date	Sample Type	Laboratory Sample ID	General Chemistry (%; ASTM D4129-05M)	Volatile Organic Compounds (µg/kg; SW-846 8260C)																					
					Total Organic Carbon	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	Benzene	Toluene	Ethylbenzene	Xylenes, Total	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dibromoethane (EDB)	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	2-Hexanone	4-isopropyltoluene	4-Methyl-2-pentanone
Screening Level:					N/A	2.76	0.206	5.15	0.0089	84.3	0.277	273	343	831	38,500	0.08	0.278	2.61	2.46	N/A	500	1.56	1.67	800,000	N/A	N/A	6,400,000
RIDW-1	23-25	12/3/2018	N	EV18120030-01	--	1.5 UJ	1.5 UJ	1.5 UJ	0.050 UJ	10 UJ	1.5 UJ	10 UJ	10 UJ	20 U	10 UJ	1.5 UJ	1.5 UJ	1.5 UJ	1.5 UJ	10 UJ	5.0 UJ	1.5 UJ	1.5 UJ	10 UJ	50 UJ	10 UJ	50 UJ
RIDW-1	49-50	12/3/2018	N	EV18120030-02	0.11	1.5 UJ	1.5 UJ	1.5 UJ	0.050 UJ	10 UJ	1.5 UJ	10 UJ	10 UJ	20 U	10 UJ	1.5 UJ	1.5 UJ	1.5 UJ	1.5 UJ	10 UJ	5.0 UJ	1.5 UJ	1.5 UJ	10 UJ	50 UJ	10 UJ	50 UJ
RIDW-1	49-50	12/3/2018	FD	EV18120030-03	0.11	1.5 UJ	1.5 UJ	1.5 UJ	0.050 UJ	10 UJ	1.5 UJ	10 UJ	10 UJ	20 U	10 UJ	1.5 UJ	1.5 UJ	1.5 UJ	1.5 UJ	10 UJ	5.0 UJ	1.5 UJ	1.5 UJ	10 UJ	50 UJ	10 UJ	50 UJ
RIDW-1	57.5-60	12/5/2018	N	EV18120030-04	--	1.5 UJ	1.5 UJ	1.5 UJ	0.050 UJ	10 UJ	1.5 UJ	10 UJ	10 UJ	20 U	10 UJ	1.5 UJ	1.5 UJ	1.5 UJ	1.5 UJ	10 UJ	5.0 UJ	1.5 UJ	1.5 UJ	10 UJ	50 UJ	10 UJ	50 UJ
RIDW-1	81.5-82.5	12/5/2018	N	EV18120030-05	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U
RIDW-1	105-107.5	12/5/2018	N	EV18120030-06	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U
RIDW-1	135-137.5	12/6/2018	N	EV18120030-07	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U
RIDW-1	142.5-145	12/6/2018	N	EV18120030-09	0.059	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RIDW-2	20-22.5	12/7/2018	N	EV18120035-01	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U
RIDW-2	37.5-40	12/7/2018	N	EV18120035-03	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U
RIDW-2	50-52	12/7/2018	N	EV18120035-02	0.12	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U
RIDW-2	90-92	12/8/2018	N	EV18120035-04	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U
RIDW-2	105-107.5	12/8/2018	N	EV18120038-01	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U
RIDW-2	125-127.5	12/10/2018	N	EV18120038-03	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U
RIDW-2	145-147.5	12/10/2018	N	EV18120038-04	0.050 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RIDW-3	12.5-15	12/11/2018	N	EV18120077-01	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U
RIDW-3	45-47.5	12/11/2018	N	EV18120077-02	0.087	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U
RIDW-3	70-72.5	12/12/2018	N	EV18120077-03	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U
RIDW-3	95-97.5	12/12/2018	N	EV18120077-04	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U
RIDW-3	110-112.5	12/12/2018	N	EV18120077-05	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U
RIDW-3	130-132.5	12/13/2018	N	EV18120077-06	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U
RIDW-3	132.5-135	12/13/2018	N	EV18120077-07	0.050 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RIDW-4	24-25	9/4/2019	N	EV19090021-01	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U
RIDW-4	66-67	9/5/2019	N	EV19090034-01	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U
RIDW-4	126-127	9/5/2019	N	EV19090034-02	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U
RIDW-5	95.5-96.5	11/11/2022	N	EV22110079-02	0.055	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U
RIDW-5	36.5-37.5	11/10/2022	N	EV22110079-01	0.13	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U
RIDW-5	147-148	11/14/2022	N	EV22110087-01	0.054	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RIDW-5	147-148	11/16/2022	FD	EV22110111-01	0.051	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U
RIDW-5	136-137	11/11/2022	N	EV22110084-02	--	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U
RIDW-6	56-57	11/15/2022	N	EV22110098-02	0.052	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U
RIDW-6	25-26	11/15/2022	N	EV22110098-01	0.11	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U
RIDW-6	133.5-134.5	11/16/2022	N	EV22110111-02	0.050 U	1.5 U	1.5 U	1.5 U	0.050 U	10 U	1.5 U	10 U	10 U	20 U	10 U	1.5 U	1.5 U	1.5 U	1.5 U	10 U	5.0 U	1.5 U	1.5 U	10 U	50 U	10 U	50 U

Table 7
Deep Aquifer Soil Analytical Results
Former TECT Aerospace Phase III Remedial Investigation/Feasibility Study
Paine Field – Everett, Washington

Sampling Location	Sample Depth (ft)	Sampling Date	Sample Type	Laboratory Sample ID	Volatile Organic Compounds (µg/kg; SW-846 8260C)												
					Acetone	Carbon Disulfide	Carbon Tetrachloride	Chloroethane	Chloroform	Isopropylbenzene	Methyl Ethyl Ketone	Methylene Chloride	Methyl-tert-butyl ether	Naphthalene	n-Propylbenzene	sec-Butylbenzene	trans-1,2-Dichloroethene
Screening Level:					2,070	266	0.274	N/A	0.479	8,000,000	48,000,000	1.48	7.23	236	8,000,000	8,000,000	32.5
RIDW-1	23-25	12/3/2018	N	EV18120030-01	50 UJ	10 UJ	1.5 UJ	10 UJ	1.5 UJ	10 UJ	50 UJ	1.6 UJ	1.5 UJ	10 UJ	10 UJ	10 UJ	10 UJ
RIDW-1	49-50	12/3/2018	N	EV18120030-02	50 UJ	10 UJ	1.5 UJ	10 UJ	1.5 UJ	10 UJ	50 UJ	1.5 UJ	1.5 UJ	10 UJ	10 UJ	10 UJ	10 UJ
RIDW-1	49-50	12/3/2018	FD	EV18120030-03	50 UJ	10 UJ	1.5 UJ	10 UJ	1.5 UJ	10 UJ	50 UJ	1.5 UJ	1.5 UJ	10 UJ	10 UJ	10 UJ	10 UJ
RIDW-1	57.5-60	12/5/2018	N	EV18120030-04	50 UJ	10 UJ	1.5 UJ	10 UJ	1.5 UJ	10 UJ	50 UJ	1.5 UJ	1.5 UJ	10 UJ	10 UJ	10 UJ	10 UJ
RIDW-1	81.5-82.5	12/5/2018	N	EV18120030-05	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RIDW-1	105-107.5	12/5/2018	N	EV18120030-06	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.6 U	1.5 U	10 U	10 U	10 U	10 U
RIDW-1	135-137.5	12/6/2018	N	EV18120030-07	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RIDW-1	142.5-145	12/6/2018	N	EV18120030-09	--	--	--	--	--	--	--	--	--	--	--	--	--
RIDW-2	20-22.5	12/7/2018	N	EV18120035-01	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RIDW-2	37.5-40	12/7/2018	N	EV18120035-03	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RIDW-2	50-52	12/7/2018	N	EV18120035-02	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.8 U	1.5 U	10 U	10 U	10 U	10 U
RIDW-2	90-92	12/8/2018	N	EV18120035-04	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.8 U	1.5 U	10 U	10 U	10 U	10 U
RIDW-2	105-107.5	12/8/2018	N	EV18120038-01	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RIDW-2	125-127.5	12/10/2018	N	EV18120038-03	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.8 U	1.5 U	10 U	10 U	10 U	10 U
RIDW-2	145-147.5	12/10/2018	N	EV18120038-04	--	--	--	--	--	--	--	--	--	--	--	--	--
RIDW-3	12.5-15	12/11/2018	N	EV18120077-01	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RIDW-3	45-47.5	12/11/2018	N	EV18120077-02	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RIDW-3	70-72.5	12/12/2018	N	EV18120077-03	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RIDW-3	95-97.5	12/12/2018	N	EV18120077-04	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	2.0 U	1.5 U	10 U	10 U	10 U	10 U
RIDW-3	110-112.5	12/12/2018	N	EV18120077-05	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RIDW-3	130-132.5	12/13/2018	N	EV18120077-06	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RIDW-3	132.5-135	12/13/2018	N	EV18120077-07	--	--	--	--	--	--	--	--	--	--	--	--	--
RIDW-4	24-25	9/4/2019	N	EV19090021-01	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RIDW-4	66-67	9/5/2019	N	EV19090034-01	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RIDW-4	126-127	9/5/2019	N	EV19090034-02	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RIDW-5	95.5-96.5	11/11/2022	N	EV22110079-02	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RIDW-5	36.5-37.5	11/10/2022	N	EV22110079-01	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.6 U	1.5 U	10 U	10 U	10 U	10 U
RIDW-5	147-148	11/14/2022	N	EV22110087-01	--	--	--	--	--	--	--	--	--	--	--	--	--
RIDW-5	147-148	11/16/2022	FD	EV22110111-01	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RIDW-5	136-137	11/11/2022	N	EV22110084-02	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RIDW-6	56-57	11/15/2022	N	EV22110098-02	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RIDW-6	25-26	11/15/2022	N	EV22110098-01	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U
RIDW-6	133.5-134.5	11/16/2022	N	EV22110111-02	50 U	10 U	1.5 U	10 U	1.5 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	10 U	10 U

Notes:

- = not analyzed
- U = The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.
- J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
- Bold** text indicates detected analyte.
- Blue shading indicates detected analyte exceeds applicable cleanup level.
- Yellow shading indicates sample was collected as part of Phase III investigation.

Abbreviations and Acronyms:

- ASTM = ASTM International
- FD = field duplicate
- ft = feet
- ID = identification
- µg/kg = micrograms per kilogram
- mg/kg = milligrams per kilogram
- N = primary sample
- N/A = not applicable
- NWTPH-Dx = Northwest total petroleum hydrocarbon extended-range diesel analysis
- NWTPH-Gx = Northwest total petroleum hydrocarbon extended-range gasoline analysis
- PCBs = polychlorinated biphenyls

Table 8
Building C-19 Groundwater Analytical Results
Former TECT Aerospace Phase III Remedial Investigation/Feasibility Study
Paine Field – Everett, Washington

Sampling Location	Sampling Date	Sample Type	Laboratory Sample ID	Dissolved Metals (µg/L; EPA 200.8, EPA 245.1, SW-846 7196A)						Dissolved Gases (µg/L; RSK-175)			General Chemistry (µg/L; EPA 300.0, SM 5310C)				Petroleum Hydrocarbons (µg/L; NWTPH-Gx, -Dx)			Petroleum Hydrocarbons (µg/L; NWTPH-Dx SGC)		Volatile and Semivolatile Organic Compounds (µg/L; SW-846 8260C, SW-846 8270D SIM)							
				Arsenic	Cadmium	Chromium, Total	Chromium, Hexavalent	Chromium, Trivalent	Lead	Mercury	Ethane	Ethene	Methane	Total Organic Carbon	Nitrogen, Nitrate (as N)	Nitrogen, Nitrate (As NO ₃)	Sulfate	GRO C5-C12	DRO C12-C24	ORO C24-C40	DRO C12-C24	ORO C24-C40	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	Vinyl Chloride	1,4-Dioxane	1,1,1-Trichloroethane	Benzene
Screening Level:				5	5	100	48	100	15	2	N/A	N/A	N/A	N/A	10,000	10,000	N/A	800	500	500	500	500	5	0.54	16	0.029	0.44	200	0.795
DW1	11/7/2018	N	EV18110052-05	--	--	--	--	--	--	--	10 U	10 U	10 U	1,000 U	--	1,300	11,000	--	--	--	--	2.0 U	25	2.0 U	0.020 U	0.40 U	2.0 U	0.50 U	
DW1	9/12/2019	N	EV19090083-02	--	--	--	--	--	--	--	10 U	10 U	10 U	1,000 U	1,200	--	11,000	--	--	--	--	2.0 U	300	16	0.020 U	--	2.0 U	0.50 U	
RIGW-55	4/15/2019	N	EV19040107-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	59	5.0	0.020 U	--	2.0 U	0.50 U	
RIGW-55	9/5/2019	N	EV19090027-03	--	--	--	--	--	--	--	10 U	10 U	10 U	--	5,800	--	7,400	--	--	--	--	2.0 U	61	3.9	0.020 U	--	2.0 U	0.50 U	
RISB-01	3/27/2019	N	EV19030179-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	1.3	2.0 U	0.020 U	--	2.0 U	0.50 U	
RISB-03	3/26/2019	N	EV19030173-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	1.2	5.9	0.67	--	2.0 U	0.50 U	
RISB-05	3/18/2019	N	EV19030110-03	1.8	1.0 U	2.5	10 U	2.5	1.0 U	0.20 U	--	--	--	--	--	--	--	--	--	--	--	2.0 U	0.50 U	2.0 U	0.020 U	--	2.0 U	0.50 U	
RISB-06	3/27/2019	N	EV19030179-04	1.3	1.0 U	2.0 U	--	--	1.0 U	0.20 U	--	--	--	--	--	--	--	--	--	--	--	2.0 U	94	31	1.2	--	2.0 U	0.50 U	
RISB-07	3/28/2019	N	EV19030195-01	1.0 U	1.0 U	2.0 U	--	--	1.0 U	0.20 U	--	--	--	--	--	--	--	--	280	340	--	--	2.0 U	110	23	0.46	--	2.0 U	0.50 U
RISB-08	3/26/2019	N	EV19030173-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	0.50 U	2.0 U	0.020 U	--	2.0 U	0.50 U	
RISB-09	3/25/2019	N	EV19030160-13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	5.4	2.0 U	0.020 U	--	2.0 U	0.74	
RISB-10	3/25/2019	N	EV19030160-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	0.50 U	2.0 U	0.020 U	--	2.0 U	0.50 U	
RISB-56	9/3/2019	N	EV19090010-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	4,800	590	8.0	--	2.0 U	0.50 U	
RISB-57	9/3/2019	N	EV19090010-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	1.9	5.8	0.15	--	2.0 U	0.50 U	
RISB-58	9/3/2019	N	EV19090010-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	890	340	37	--	8.5	0.84	
SCPWD-2	11/8/2018	N	EV18110063-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	940	110	0.73	--	2.0 U	0.50 U	
SCPWD-2	9/5/2019	N	EV19090027-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	520	44	0.16	--	2.0 U	0.50 U	
SCPWD-3	11/8/2018	N	EV18110063-06	--	--	--	--	--	--	--	10 U	10 U	30	3,600	--	150 U	12,000	--	--	--	--	2.0 U	14,000	840	9.1	0.44 J	2.0 U	0.50 U	
SCPWD-3	9/5/2019	N	EV19090027-01	--	--	--	--	--	--	--	10 U	10 U	20	3,600	150 U	--	10,000	--	--	--	--	2.0 U	18,000	1,000	11	0.94	2.0 U	0.50 U	
SCPWD-4	11/8/2018	N	EV18110063-05	--	--	--	--	--	--	--	10 U	10 U	20	2,600	--	440	10,000	--	--	--	--	2.0 U	670	60	8.1	0.40 UJ	2.0 U	0.50 U	
SCPWD-4	9/5/2019	N	EV19090027-04	--	--	--	--	--	--	--	10 U	10 U	1,500	2,100	--	7,600	--	--	--	--	--	2.0 U	990	54	1.4	--	2.0 U	0.50 U	
RISB-69	12/1/2022	N	EV22120005-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	0.68	7.8	0.13	0.60	2.0 U	0.50 U	
RISB-70	11/30/2022	N	EV22120005-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	0.50 U	2.0 U	0.027	--	2.0 U	0.50 U	
RISB-71	12/1/2022	N	EV22120015-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	22	10	0.78	0.40 U	2.0 U	0.50 U	

Table 8
Building C-19 Groundwater Analytical Results
Former TECT Aerospace Phase III Remedial Investigation/Feasibility Study
Paine Field – Everett, Washington

Sampling Location	Sampling Date	Sample Type	Laboratory Sample ID	Volatile and Semivolatile Organic Compounds (µg/L; SW-846 8260C, SW-846 8270D SIM)																												
				Toluene	Ethylbenzene	Xylenes, Total	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dibromoethane (EDB)	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	2-Hexanone	4-isopropyltoluene	4-Methyl-2-pentanone	Acetone	Carbon Disulfide	Carbon Tetrachloride	Chloroethane	Chloroform	Isopropylbenzene	Methyl Ethyl Ketone	Methylene Chloride	Methyl-tert-butyl ether	Naphthalene	n-Propylbenzene	sec-Butylbenzene	trans-1,2-Dichloroethene
Screening Level:				640	700	1,600	1.68	0.5	0.768	7.68	7	N/A	0.022	0.481	1.22	80	N/A	N/A	640	7,200	800	0.625	N/A	1.41	800	4,800	5	24.3	160	800	800	100
DW1	11/7/2018	N	EV18110052-05	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
DW1	9/12/2019	N	EV19090083-02	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.3
RIGW-55	4/15/2019	N	EV19040107-01	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RIGW-55	9/5/2019	N	EV19090027-03	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-01	3/27/2019	N	EV19030179-01	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-03	3/26/2019	N	EV19030173-07	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-05	3/18/2019	N	EV19030110-03	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-06	3/27/2019	N	EV19030179-04	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-07	3/28/2019	N	EV19030195-01	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-08	3/26/2019	N	EV19030173-01	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-09	3/25/2019	N	EV19030160-13	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-10	3/25/2019	N	EV19030160-09	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-56	9/3/2019	N	EV19090010-01	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	17	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	39
RISB-57	9/3/2019	N	EV19090010-06	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-58	9/3/2019	N	EV19090010-09	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	9.3	17	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.9
SCPWD-2	11/8/2018	N	EV18110063-07	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
SCPWD-2	9/5/2019	N	EV19090027-02	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
SCPWD-3	11/8/2018	N	EV18110063-06	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	33	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	54
SCPWD-3	9/5/2019	N	EV19090027-01	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	34	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	53
SCPWD-4	11/8/2018	N	EV18110063-05	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	3.1	2.0 U	0.010 U	0.14	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	20
SCPWD-4	9/5/2019	N	EV19090027-04	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.1	2.0 U	0.010 U	0.031	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	7.6
RISB-69	12/1/2022	N	EV22120005-08	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-70	11/30/2022	N	EV22120005-04	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-71	12/1/2022	N	EV22120015-05	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U

Notes:

- = not analyzed
- U = The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.
- J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the :
- UJ = The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate.
- Bold** text indicates detected analyte.
- Blue shading indicates detected analyte exceeds applicable cleanup level.
- Yellow shading indicates sample was collected as part of Phase III investigation.

Abbreviations and Acronyms:

- EPA = US Environmental Protection Agency
- ID = identification
- µg/L = micrograms per liter
- N = primary sample
- N/A = not applicable
- NWTPH-Dx = Northwest total petroleum hydrocarbon extended-range diesel analysis
- NWTPH-Gx = Northwest total petroleum hydrocarbon extended-range gasoline analysis
- SGC = silica-gel cleanup
- SIM = selected ion monitoring

Table 9
Building C-20, C-21, C-22 Groundwater Analytical Results
Former TECT Aerospace Phase III Remedial Investigation/Feasibility Study
Paine Field – Everett, Washington

Sampling Location	Sampling Date	Sample Type	Laboratory Sample ID	Dissolved Metals (µg/L; EPA 200.8, EPA 245.1, SW-846 7196A)						Dissolved Gases (µg/L; RSK-175)			General Chemistry (µg/L; EPA 300.0, SM 5310C)				Petroleum Hydrocarbons (µg/L; NWTPH-Gx, -Dx)			Petroleum Hydrocarbons (µg/L; NWTPH-Dx SGC)		Volatile and Semivolatile Organic Compounds (µg/L; SW-846 8260C, SW-846 8270D SIM)							
				Arsenic	Cadmium	Chromium, Total	Chromium, Hexavalent	Chromium, Trivalent	Lead	Mercury	Ethane	Ethene	Methane	Total Organic Carbon	Nitrogen, Nitrate (as N)	Nitrogen, Nitrate (As NO ₃)	Sulfate	GRO C5-C12	DRO C12-C24	ORO C24-C40	DRO C12-C24	ORO C24-C40	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	Vinyl Chloride	1,4-Dioxane	1,1,1-Trichloroethane	Benzene
Screening Level:				5	5	100	48	100	15	2	N/A	N/A	N/A	N/A	10,000	10,000	N/A	800	500	500	500	500	5	0.54	16	0.029	0.44	200	0.795
RISB-07	3/28/2019	N	EV19030195-01	1.0 U	1.0 U	2.0 U	--	--	1.0 U	0.20 U	--	--	--	--	--	--	--	280	340	--	--	2.0 U	110	23	0.46	--	2.0 U	0.50 U	
RISB-13	3/19/2019	N	EV19030128-04	2.1	1.0 U	18	--	--	1.0 U	0.20 U	--	--	--	--	--	--	--	130 U	850	--	--	2.0 U	2,100	780	240	--	2.0 U	0.50 U	
RISB-14	4/1/2019	N	EV19040010-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	2.6	2.0 U	0.020 U	--	2.0 U	0.50 U	
RISB-14	4/1/2019	FD	EV19040010-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	2.7	2.0 U	0.020 U	--	2.0 U	0.50 U	
RISB-15	3/21/2019	N	EV19030147-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	250 J	410 J	--	--	2.0 U	2,000	71	0.79	--	2.0 U	0.50 U	
RISB-16	4/1/2019	N	EV19040010-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	0.50 U	2.0 U	0.020 U	--	2.0 U	0.50 U	
RISB-17	3/29/2019	N	EV19030195-21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	0.50 U	2.0 U	0.020 U	--	2.0 U	0.50 U	
RISB-18	3/29/2019	N	EV19030195-19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	1.3	2.0 U	1.3	--	2.0 U	0.50 U	
RISB-20	3/27/2019	N	EV19030179-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	0.50 U	2.0 U	0.071	--	2.0 U	0.68	
RISB-20	3/27/2019	FD	EV19030179-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	0.50 U	2.0 U	0.073	--	2.0 U	0.71	
RISB-21	4/2/2019	N	EV19040019-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	190	45	0.54	--	2.0 U	0.50 U	
RISB-22	4/2/2019	N	EV19040019-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	3.9	24	90	--	2.0 U	0.50 U	
RISB-23	3/28/2019	N	EV19030195-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	270	430	--	--	2.0 U	63	15	0.62	--	2.0 U	0.50 U	
RISB-24	3/20/2019	N	EV19030129-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	130 U	860	--	--	2.0 U	330	13	1.2	--	2.0 U	0.50 U	
RISB-25	3/20/2019	N	EV19030129-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	210 J	410	--	--	2.0 U	12	5.9	0.22	--	2.0 U	0.50 U	
RISB-26	4/2/2019	N	EV19040019-01	2.3	1.0 U	2.0 U	--	--	1.0 U	0.20 U	--	--	--	--	--	--	--	--	--	--	--	2.0 U	24	18	0.60	--	2.0 U	0.50 U	
RISB-27	4/2/2019	N	EV19040019-06	3.5	1.0 U	2.0 U	--	--	1.0 U	0.20 U	--	--	--	--	--	--	--	--	--	--	--	2.0 U	220	77	2.7	--	2.0 U	0.50 U	
RISB-28	3/19/2019	N	EV19030128-02	1.0	1.0 U	2.0 U	--	--	1.0 U	0.20 U	--	--	--	--	--	--	50 U	650 U	6,000	--	--	2.0 U	310	68	2.0	--	2.0 U	0.50 U	
RISB-49	3/20/2019	N	EV19030129-06	14	1.0 U	2.4	--	--	1.0 U	0.20 U	--	--	--	--	--	--	--	130 U	1,300	--	--	2.0 U	430	150	7.4	--	2.0 U	0.50 U	
RISB-60	8/27/2019	N	EV19080183-03	--	--	--	--	--	--	--	10 U	10 U	30	2,400	150 U	--	7,600	--	--	--	--	2.0 U	14	4.5	1.6	--	2.0 U	0.50 U	
RISB-69	12/1/2022	N	EV22120005-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	0.68	7.8	0.13	0.60	2.0 U	0.50 U	
RISB-70	11/30/2022	N	EV22120005-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	0.50 U	2.0 U	0.027	--	2.0 U	0.50 U	
RISB-71	12/1/2022	N	EV22120015-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	22	10	0.78	0.40 U	2.0 U	0.50 U	

Table 9
Building C-20, C-21, C-22 Groundwater Analytical Results
Former TECT Aerospace Phase III Remedial Investigation/Feasibility Study
Paine Field – Everett, Washington

Sampling Location	Sampling Date	Sample Type	Laboratory Sample ID	Volatile and Semivolatile Organic Compounds (µg/L; SW-846 8260C, SW-846 8270D SIM)																												
				Toluene	Ethylbenzene	Xylenes, Total	1,1,1,2-Tetrachloroethane	1,1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dibromoethane (EDB)	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	2-Hexanone	4-isopropyltoluene	4-Methyl-2-pentanone	Acetone	Carbon Disulfide	Carbon Tetrachloride	Chloroethane	Chloroform	Isopropylbenzene	Methyl Ethyl Ketone	Methylene Chloride	Methyl-tert-butyl ether	Naphthalene	n-Propylbenzene	sec-Butylbenzene	trans-1,2-Dichloroethene
Screening Level:				640	700	1,600	1.68	0.5	0.768	7.68	7	N/A	0.022	0.481	1.22	80	N/A	N/A	640	7,200	800	0.625	N/A	1.41	800	4,800	5	24.3	160	800	800	100
RISB-07	3/28/2019	N	EV19030195-01	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-13	3/19/2019	N	EV19030128-04	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.7	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	15	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	45
RISB-14	4/1/2019	N	EV19040010-05	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-14	4/1/2019	FD	EV19040010-02	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-15	3/21/2019	N	EV19030147-04	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.2	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-16	4/1/2019	N	EV19040010-03	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.81	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	21	2.0 U	2.0 U	2.0 U	2.0 U
RISB-17	3/29/2019	N	EV19030195-21	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.9	2.0 U	2.0 U	2.0 U	2.0 U
RISB-18	3/29/2019	N	EV19030195-19	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.086	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-20	3/27/2019	N	EV19030179-09	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-20	3/27/2019	FD	EV19030179-08	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-21	4/2/2019	N	EV19040019-08	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	23	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0
RISB-22	4/2/2019	N	EV19040019-09	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-23	3/28/2019	N	EV19030195-02	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-24	3/20/2019	N	EV19030129-02	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-25	3/20/2019	N	EV19030129-07	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-26	4/2/2019	N	EV19040019-01	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-27	4/2/2019	N	EV19040019-06	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-28	3/19/2019	N	EV19030128-02	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.9	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-49	3/20/2019	N	EV19030129-06	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	3.4
RISB-60	8/27/2019	N	EV19080183-03	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.018	0.27	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-69	12/1/2022	N	EV22120005-08	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-70	11/30/2022	N	EV22120005-04	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-71	12/1/2022	N	EV22120015-05	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U

Notes:


-- = not analyzed

U = The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.

J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

Bold text indicates detected analyte.

 Blue shading indicates detected analyte exceeds applicable cleanup level.

 Yellow shading indicates sample was collected as part of Phase III investigation.

Abbreviations and Acronyms:

EPA = US Environmental Protection Agency

ID = identification

FD = field duplicate

µg/L = micrograms per liter

N = primary sample

N/A = not applicable

NWTPH-Dx = Northwest total petroleum hydrocarbon extended-range diesel analysis

NWTPH-Gx = Northwest total petroleum hydrocarbon extended-range gasoline analysis

SGC = silica-gel cleanup

SIM = selected ion monitoring

Table 10
Building C-23 Groundwater Analytical Results
Former TECT Aerospace Phase III Remedial Investigation/Feasibility Study
Paine Field – Everett, Washington

Sampling Location	Sampling Date	Sample Type	Laboratory Sample ID	Dissolved Metals (µg/L; EPA 200.8, EPA 245.1, SW-846 7196A)						Dissolved Gases (µg/L; RSK-175)			General Chemistry (µg/L; EPA 300.0, SM 5310C)				Petroleum Hydrocarbons (µg/L; NWTPH-Gx, -Dx)			Petroleum Hydrocarbons (µg/L; NWTPH-Dx SGC)		Volatile and Semivolatile Organic Compounds (µg/L; SW-846 8260C, SW-846 8270D SIM)								
				Arsenic	Cadmium	Chromium, Total	Chromium, Hexavalent	Chromium, Trivalent	Lead	Mercury	Ethane	Ethene	Methane	Total Organic Carbon	Nitrogen, Nitrate (as N)	Nitrogen, Nitrate (As NO ₃)	Sulfate	GRO C5-C12	DRO C12-C24	ORO C24-C40	DRO C12-C24	ORO C24-C40	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	Vinyl Chloride	1,4-Dioxane	1,1,1-Trichloroethane	Benzene	
Screening Level:				5	5	100	48	100	15	2	N/A	N/A	N/A	N/A	10,000	10,000	N/A	800	500	500	500	500	5	0.54	16	0.029	0.44	200	0.795	
DW3	11/7/2018	N	EV18110052-04	--	--	--	--	--	--	--	10 U	10 U	10 U	1,000 U	--	3,100	10,000	--	--	--	--	2.0 U	0.50 U	2.0 U	0.020 U	--	2.0 U	0.50 U		
DW3	9/12/2019	N	EV19090083-01	--	--	--	--	--	--	--	10 U	10 U	10 U	1,000 U	4,800	--	13,000	--	--	--	--	2.0 U	0.50 U	2.0 U	0.020 U	--	2.0 U	0.50 U		
RISB-14	4/1/2019	N	EV19040010-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	2.6	2.0 U	0.020 U	--	2.0 U	0.50 U		
RISB-14	4/1/2019	FD	EV19040010-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	2.7	2.0 U	0.020 U	--	2.0 U	0.50 U		
RISB-15	3/21/2019	N	EV19030147-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	250 J	410 J	--	--	2.0 U	2,000	71	0.79	--	2.0 U	0.50 U		
RISB-29	3/19/2019	N	EV19030128-05	3.7	1.0 U	2.0 U	--	--	1.0 U	0.20 U	--	--	--	--	--	--	--	130 U	2,100	--	--	2.0 U	110	140	1.6	--	2.0 U	0.50 U		
RISB-30	3/22/2019	N	EV19030160-07	5.8	1.0 U	2.0 U	--	--	1.0 U	0.20 U	--	--	--	--	--	--	--	270	250 U	--	--	2.0 U	0.50 U	2.7	0.19	--	2.0 U	0.50 U		
RISB-31	4/9/2019	N	EV19040076-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	0.50 U	2.0 U	0.089	--	2.0 U	0.50 U		
RISB-32	3/22/2019	N	EV19030150-05	7.3	1.0 U	2.0 U	--	--	1.0 U	0.20 U	--	--	--	--	--	--	--	130	250 U	--	--	2.0 U	0.87	2.0 U	0.099	--	2.0 U	0.50 U		
RISB-32	3/22/2019	FD	EV19030150-06	7.5	1.0 U	2.0 U	--	--	1.0 U	0.20 U	--	--	--	--	--	--	--	130 U	250 U	--	--	2.0 U	0.50 U	2.0 U	0.095	--	2.0 U	0.50 U		
RISB-38	3/13/2019	N	EV19030106-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	0.79	2.0 U	0.020 U	--	2.0 U	0.50 U		
RISB-39	4/9/2019	N	EV19040076-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	0.50 U	2.0 U	0.020 U	--	2.0 U	0.50 U		
RISB-40	4/1/2019	N	EV19040002-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	0.50 U	2.0 U	0.020 U	--	2.0 U	0.50 U		
RISB-47	4/5/2019	N	EV19040051-01	2.9	1.0 U	2.0 U	10 U	2.0 U	1.0 U	0.20 U	--	--	--	--	--	--	--	69	460	380	--	--	2.0 U	5.5	24,000	2,200	52	--	2.0 U	2.0
RISB-48	4/5/2019	N	EV19040051-08	1.9	1.0 U	2.6	10 U	2.6	1.0 U	0.20 U	--	--	--	--	--	--	--	50 U	3,400	6,500	--	--	2.0 U	2,300	3,600	480	--	2.0 U	4.0	
RISB-51	3/19/2019	N	EV19030128-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1,100	910	--	--	2.0 U	20	390	8.4	--	2.0 U	0.50 U	
RISB-52	3/22/2019	N	EV19030150-01	--	--	--	--	--	--	--	10 U	10 U	20	3,200	300	--	21,000	--	220	350	--	--	2.0 U	85	81	4.4	--	2.0 U	0.66	
RISB-60	8/27/2019	N	EV19080183-03	--	--	--	--	--	--	--	10 U	10 U	30	2,400	150 U	--	7,600	--	--	--	--	2.0 U	14	4.5	1.6	--	2.0 U	0.50 U		
RISB-61	8/28/2019	N	EV19080191-11	--	--	--	--	--	--	--	10 U	10 U	30	8,400	150 U	--	10,000	50 U	430	250 U	--	--	2.0 U	0.50 U	2.0 U	0.31	--	2.0 U	0.50 U	
RISB-61	8/28/2019	FD	EV19080191-12	--	--	--	--	--	--	--	10 U	10 U	30	8,600	150 U	--	10,000	50 U	440	250 U	--	--	2.0 U	0.50 U	2.0 U	0.29	--	2.0 U	0.50 U	
RISB-62	8/28/2019	N	EV19080191-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	130 U	250 U	--	--	2.0 U	0.50 U	2.0 U	0.020 U	--	2.0 U	0.50 U	
RISB-63	8/28/2019	N	EV19080191-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	0.50 U	2.0 U	0.020 U	--	2.0 U	0.50 U		
RISB-78	11/29/2022	N	EV22110168-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 U	0.50 U	2.0 U	0.020 U	0.40 U	2.0 U	0.50 U		

Table 10
Building C-23 Groundwater Analytical Results
Former TECT Aerospace Phase III Remedial Investigation/Feasibility Study
Paine Field – Everett, Washington

Sampling Location	Sampling Date	Sample Type	Laboratory Sample ID	Volatile and Semivolatile Organic Compounds (µg/L; SW-846 8260C, SW-846 8270D SIM)																												
				Toluene	Ethylbenzene	Xylenes, Total	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dibromoethane (EDB)	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	2-Hexanone	4-Isopropyltoluene	4-Methyl-2-pentanone	Acetone	Carbon Disulfide	Carbon Tetrachloride	Chloroethane	Chloroform	Isopropylbenzene	Methyl Ethyl Ketone	Methylene Chloride	Methyl-tert-butyl ether	Naphthalene	n-Propylbenzene	sec-Butylbenzene	trans-1,2-Dichloroethene
Screening Level:				640	700	1,600	1.68	0.5	0.768	7.68	7	N/A	0.022	0.481	1.22	80	N/A	N/A	640	7,200	800	0.625	N/A	1.41	800	4,800	5	24.3	160	800	800	100
DW3	11/7/2018	N	EV18110052-04	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
DW3	9/12/2019	N	EV19090083-01	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-14	4/1/2019	N	EV19040010-05	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-14	4/1/2019	FD	EV19040010-02	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-15	3/21/2019	N	EV19030147-04	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.2	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-29	3/19/2019	N	EV19030128-05	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	39
RISB-30	3/22/2019	N	EV19030160-07	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-31	4/9/2019	N	EV19040076-01	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-32	3/22/2019	N	EV19030150-05	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.070	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-32	3/22/2019	FD	EV19030150-06	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.068	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-38	3/13/2019	N	EV19030106-02	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-39	4/9/2019	N	EV19040076-02	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-40	4/1/2019	N	EV19040002-07	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	200	2.0 U	0.50 U	2.0 U	0.64	2.0 U	28	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-47	4/5/2019	N	EV19040051-01	12	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	67	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	320
RISB-48	4/5/2019	N	EV19040051-08	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	23	2.0 U	0.010 U	130	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	560
RISB-51	3/19/2019	N	EV19030128-01	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-52	3/22/2019	N	EV19030150-01	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	28
RISB-60	8/27/2019	N	EV19080183-03	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.018	0.27	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-61	8/28/2019	N	EV19080191-11	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-61	8/28/2019	FD	EV19080191-12	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-62	8/28/2019	N	EV19080191-10	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-63	8/28/2019	N	EV19080191-09	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.022	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RISB-78	11/29/2022	N	EV22110168-08	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U

Notes:

- = not analyzed
- U = The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.
- J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample
- Bold** text indicates detected analyte.
- Blue shading indicates detected analyte exceeds applicable cleanup level.
- Yellow shading indicates sample was collected as part of Phase III investigation.

Abbreviations and Acronyms:

- EPA = US Environmental Protection Agency
- ID = identification
- FD = field duplicate
- µg/L = micrograms per liter
- N = primary sample
- N/A = not applicable
- NWTPH-Dx = Northwest total petroleum hydrocarbon extended-range diesel analysis
- NWTPH-Gx = Northwest total petroleum hydrocarbon extended-range gasoline analysis
- SGC = silica-gel cleanup
- SIM = selected ion monitoring

Table 11
Building C-29 Groundwater Analytical Results
Former TECT Aerospace Phase III Remedial Investigation/Feasibility Study
Paine Field – Everett, Washington

Sampling Location	Sampling Date	Sample Type	Laboratory Sample ID	Dissolved Metals (µg/L; EPA 200.8, EPA 245.1, SW-846 7196A)													Total Metals (µg/L; EPA 200.8, EPA 245.1)										Dissolved Gases (µg/L; RSK-175)			General Chemistry (µg/L; EPA 300.0, SM 5310C)			
				Arsenic	Barium	Cadmium	Chromium, Total	Chromium, Hexavalent	Chromium, Trivalent	Lead	Mercury	Nickel	Selenium	Silver	Zinc	Arsenic	Barium	Cadmium	Chromium, Total	Lead	Mercury	Nickel	Selenium	Silver	Zinc	Ethane	Ethene	Methane	Total Organic Carbon	Nitrogen, Nitrate (as N)	Nitrogen, Nitrate (As NO ₃)	Sulfate	
Screening Level:				5	NE	5	100	48	100	15	2	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	N/A	N/A	N/A	N/A	10,000	10,000	N/A		
C29-MW1	11/8/2018	N	EV18110063-02	4.2	--	1.0 U	2.1	--	--	1.0 U	0.20 U	--	--	--	--	--	--	--	--	--	--	--	--	10 U	50	110	7,700	--	150 U	33,000			
C29-MW1	8/29/2019	N	EV19080210-02	9.4	--	1.0 U	2.0 U	10 U	--	1.0 U	0.20 U	--	--	--	--	--	--	--	--	--	--	--	--	10 U	30	140	6,900	150 U	--	38,000			
C29-MW2	11/8/2018	N	EV18110063-04	2.9	--	1.0 U	2.0 U	10 U	2.0 U	1.0 U	0.20 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
C29-MW2	9/5/2019	N	EV19090027-05	2.9	--	1.0 U	2.0 U	10 U	--	1.0 U	0.20 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
DW2	11/7/2018	N	EV18110052-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	10 U	10 U	10 U	1,400	--	1,400	12,000			
DW2	11/7/2018	FD	EV18110052-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	10 U	10 U	10 U	1,500	--	1,500	14,000			
DW2	9/10/2019	N	EV19090062-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	10 U	10 U	10 U	1,000 U	1,400	--	18,000			
DW2	9/10/2019	FD	EV19090062-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	10 U	10 U	10 U	1,000 U	1,400	--	19,000			
HMB1	11/8/2018	N	EV18110063-01	25	--	1.0 U	2.0 U	--	--	1.0 U	0.20 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
HMB1	8/29/2019	N	EV19080210-03	17	--	1.0 U	2.0 U	--	--	1.0 U	0.20 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
MW1	11/5/2018	N	EV18110034-01	14	--	1.0 U	2.0 U	10 U	2.0 U	1.0 U	0.20 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
MW1	8/30/2019	N	EV19080221-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
MW2	11/5/2018	N	EV18110034-02	12	--	1.0 U	2.0 U	10 U	2.0 U	1.0 U	0.20 U	--	--	--	--	--	--	--	--	--	--	--	--	10 U	50	200	2,000	--	150 U	27,000			
MW2	8/30/2019	N	EV19080210-05	7.5	--	1.0 U	2.0 U	10 U	--	1.0 U	0.20 U	--	--	--	--	--	--	--	--	--	--	--	--	10 U	10 U	230	1,700	150 U	--	30,000			
MW3	11/5/2018	N	EV18110034-03	2.7	--	1.0 U	2.0 U	--	--	1.0 U	0.20 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
MW3	8/30/2019	N	EV19080221-01	2.5	--	1.0 U	2.0 U	--	--	1.0 U	0.20 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
MW4	11/7/2018	N	EV18110052-01	6.9	--	1.0 U	2.0 U	--	--	1.0 U	0.20 U	--	--	--	--	--	--	--	--	--	--	--	--	10 U	10 U	540	4,200	--	150 U	40,000			
MW4	8/30/2019	N	EV19080210-07	2.8	--	1.0 U	2.0 U	--	--	1.0 U	0.20 U	--	--	--	--	--	--	--	--	--	--	--	--	10 U	20	1,500	5,700	150 U	--	4,800			
MW4	8/30/2019	FD	EV19080210-06	2.8	--	1.0 U	2.0 U	--	--	1.0 U	0.20 U	--	--	--	--	--	--	--	--	--	--	--	--	10 U	10 U	1,400	5,700	150 U	--	5,100			
RISB-30	3/22/2019	N	EV19030160-07	5.8	--	1.0 U	2.0 U	--	--	1.0 U	0.20 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
RISB-31	4/9/2019	N	EV19040076-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
RISB-41	4/4/2019	N	EV19040046-02	6.0	--	1.0 U	2.0 U	--	--	1.0 U	0.20 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
RISB-42	4/3/2019	N	EV19040031-06	1.3	--	1.0 U	2.0 U	--	--	1.0 U	0.20 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
RISB-43	4/4/2019	N	EV19040046-08	7.8	--	1.0 U	2.0 U	--	--	1.0 U	0.20 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
RISB-44	4/5/2019	N	EV19040051-04	5.7	--	1.0 U	2.0 U	--	--	1.0 U	0.20 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
RISB-45	4/4/2019	N	EV19040046-10	2.9	--	1.0 U	2.0 U	--	--	1.0 U	0.20 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
RISB-45	4/4/2019	FD	EV19040046-13	2.9	--	1.0 U	2.0 U	--	--	1.0 U	0.20 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
RISB-46	4/3/2019	N	EV19040031-01	1.0 U	--	1.0 U	2.0 U	--	--	1.0 U	0.20 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
RISB-47	4/5/2019	N	EV19040051-01	2.9	--	1.0 U	2.0 U	10 U	2.0 U	1.0 U	0.20 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
RISB-48	4/5/2019	N	EV19040051-08	1.9	--	1.0 U	2.6	10 U	2.6	1.0 U	0.20 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
RISB-52	3/22/2019	N	EV19030150-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	10 U	10 U	20	3,200	300	--	21,000			
RISB-64	8/30/2019	N	EV19080215-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
RISB-65	8/29/2019	N	EV19080215-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
RISB-66	8/29/2019	N	EV19080215-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
RISB-67	8/30/2019	N	EV19080222-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
SCPWD-1	11/8/2018	N	EV18110063-03	7.7	--	1.7	2.0 U	--	--	1.0 U	0.20 U	--	--	--	--	--	--	--	--	--	--	--	10 U	50	290	4,900	--	150 U	8,600				
SCPWD-1	8/29/2019	N	EV19080210-01	7.6	--	1.0 U	2.0 U	--	--	1.0 U	0.20 U	--	--	--	--	--	--	--	--	--	--	--	--	10 U	23	70	500 U	150 U	--	8,800			

Table 11
Building C-29 Groundwater Analytical Results
Former TECT Aerospace Phase III Remedial Investigation/Feasibility Study
Paine Field – Everett, Washington

Sampling Location	Sampling Date	Sample Type	Laboratory Sample ID	Dissolved Metals (µg/L; EPA 200.8, EPA 245.1, SW-846 7196A)											Total Metals (µg/L; EPA 200.8, EPA 245.1)										Dissolved Gases (µg/L; RSK-175)			General Chemistry (µg/L; EPA 300.0, SM 5310C)				
				Arsenic	Barium	Cadmium	Chromium, Total	Chromium, Hexavalent	Chromium, Trivalent	Lead	Mercury	Nickel	Selenium	Silver	Zinc	Arsenic	Barium	Cadmium	Chromium, Total	Lead	Mercury	Nickel	Selenium	Silver	Zinc	Ethane	Ethene	Methane	Total Organic Carbon	Nitrogen, Nitrate (as N)	Nitrogen, Nitrate (As NO ₃)	Sulfate
Screening Level:				5	NE	5	100	48	100	15	2	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	N/A	N/A	N/A	N/A	10,000	10,000	N/A
RISB-76	11/22/2022	N	EV22110154-04	4.7	--	1.0 U	2.0 U	--	--	1.0 U	0.20 U	--	--	--	--	73	--	1.9	470	66	0.58	--	--	--	--	--	--	--	--	--	--	
RISB-76	11/22/2022	FD	EV22110154-05	4.4	--	1.0 U	2.0 U	--	--	1.0 U	0.20 U	--	--	--	--	73	--	1.8	450	64	0.65	--	--	--	--	--	--	--	--	--	--	
RISB-77	11/23/2022	N	EV22110154-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RISB-78	11/29/2022	N	EV22110168-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RISB-79	11/29/2022	N	EV22110168-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RISB-80	11/8/2022	N	EV22110066-01	12	51	1.0 U	2.0 U	--	--	1.0 U	0.20 U	40	4.0 U	1.0 U	2.5 U	14	150	1.0 U	35	3.1	0.20 U	78	4.0 U	1.0 U	44	--	--	--	--	--	--	

Table 11
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Former TECT Aerospace Phase III Remedial Investigation/Feasibility Study
Paine Field – Everett, Washington

Sampling Location	Sampling Date	Sample Type	Laboratory Sample ID	Petroleum Hydrocarbons (µg/L; NWTPH-Gx, -Dx)					Petroleum Hydrocarbons (µg/L; NWTPH-Dx SGC)		Volatile and Semivolatile Organic Compounds (µg/L; SW-846 8260C, SW-846 8270D SIM)																		
				GRO C5-C12	DRO C12-C24	ORO C24-C40	DRO C12-C24	ORO C24-C40	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	Vinyl Chloride	1,4-Dioxane	1,1,1-Trichloroethane	Benzene	Toluene	Ethylbenzene	Xylenes, Total	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dibromoethane (EDB)	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	2-Hexanone
Screening Level:				800	500	500	500	500	5	0.54	16	0.029	0.44	200	0.795	640	700	1,600	1.68	0.5	0.768	7.68	7	N/A	0.022	0.481	1.22	80	N/A
C29-MW1	11/8/2018	N	EV18110063-02	160	1,400	450 J	--	--	2.0 U	12,000	8,300	1,300	--	2.0 U	3.4	3.9	2.0 U	2.8	0.50 U	0.50 U	0.50 U	2.0 U	71	2.0 U	0.010 U	1.5	0.50 U	2.0 U	10 U
C29-MW1	8/29/2019	N	EV19080210-02	170 J	720	600	--	--	2.0 U	15,000	11,000	940	--	2.0 U	9.1	5.8	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	95	2.0 U	0.010 U	2.3	0.50 U	2.0 U	10 U
C29-MW2	11/8/2018	N	EV18110063-04	50 U	160	250 U	--	--	2.0 U	85	99	0.24	--	2.0 U	0.50 U	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U
C29-MW2	9/5/2019	N	EV19090027-05	50 U	130 U	250 U	--	--	2.0 U	250	230	0.27	--	2.0 U	0.50 U	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U
DW2	11/7/2018	N	EV18110052-03	--	--	--	--	--	2.0 U	2.4	3.0	0.020 U	1.8	2.0 U	0.50 U	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	15	2.0 U	2.0	2.0 U	0.010 U	6.1	4.6	2.0 U	10 U
DW2	11/7/2018	FD	EV18110052-02	--	--	--	--	--	2.0 U	2.4	3.1	0.020 U	1.6	2.0 U	0.50 U	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	15	2.0 U	2.0 U	2.0 U	0.010 U	6.0	4.5	2.0 U	10 U
DW2	9/10/2019	N	EV19090062-02	--	--	--	--	--	2.0 U	120	190 J	0.92 J	0.40 U	2.0 U	0.50 U	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	6.8 J	2.0 U	2.0 U	2.0 U	0.010 U	4.2 J	3.0 J	2.0 U	10 U
DW2	9/10/2019	FD	EV19090062-01	--	--	--	--	--	2.0 U	100	66 J	0.41 J	0.40 U	2.0 U	0.50 U	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	3.7 J	2.0 U	2.0 U	2.0 U	0.010 U	2.1 J	1.6 J	2.0 U	10 U
HMB1	11/8/2018	N	EV18110063-01	50 U	230	250 U	--	--	2.0 U	0.50 U	2.0 U	0.020 U	--	2.0 U	0.50 U	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U
HMB1	8/29/2019	N	EV19080210-03	50 U	150	390	--	--	2.0 U	0.72	2.0 U	0.020 U	--	2.0 U	0.50 U	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U
MW1	11/5/2018	N	EV18110034-01	50 U	270	250 U	--	--	2.0 U	3,000	5,500	160	--	2.0 U	42	2.8	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	24	2.0 U	0.010 U	8.4	0.50 U	2.0 U	10 U
MW1	8/30/2019	N	EV19080221-02	50 U	130 U	360	--	--	2.0 U	3,900	5,300	120	190	2.0 U	36	2.8	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	24	2.0 U	0.010 U	6.8	0.50 U	2.0 U	10 U
MW2	11/5/2018	N	EV18110034-02	50 U	130 U	250 U	--	--	2.0 U	36	330	66	--	2.0 U	2.8	2.0 U	4.7	2.3	0.50 U	0.50 U	0.50 U	2.0 U	2.0	2.0 U	0.010 U	2.1	0.50 U	2.0 U	10 U
MW2	8/30/2019	N	EV19080210-05	50 U	130 U	250 U	--	--	2.0 U	22	230	53	--	2.0 U	3.2	2.0 U	3.9	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	1.1	0.50 U	2.0 U	10 U
MW3	11/5/2018	N	EV18110034-03	820	270	250 U	--	--	2.0 U	150	1,300	1,400	--	2.0 U	21 J	24 J	110	11 J	0.50 U	0.50 U	0.50 U	2.0 U	11 J	13 J	0.010 U	7.8 J	0.50 U	2.0 U	10 U
MW3	8/30/2019	N	EV19080221-01	950	140	300	--	--	2.0 U	890	2,300	1,500	--	2.0 U	16 J	19 J	100	8.4 J	0.50 U	0.50 U	0.50 U	2.0 U	19 J	6.1 J	0.010 U	7.7 J	0.50 U	2.0 U	10 U
MW4	11/7/2018	N	EV18110052-01	270	490	250 U	--	--	2.0 U	0.50 U	2.0 U	0.020 U	--	2.0 U	3.3 J	2.0 U	11 J	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U
MW4	8/30/2019	N	EV19080210-07	690	800	350 J	--	--	2.0 U	2.6 J	2.0 U	0.50 J	--	2.0 U	8.5 J	2.0 U	39 J	3.1 J	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.26 J	0.50 U	2.0 U	10 U
MW4	8/30/2019	FD	EV19080210-06	700	860	610 J	--	--	2.0 U	3.7 J	2.0 U	0.54 J	--	2.0 U	8.5 J	2.0 U	27 J	3.3 J	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.26 J	0.50 U	2.0 U	10 U
RISB-30	3/22/2019	N	EV19030160-07	--	270	250 U	--	--	2.0 U	0.50 U	2.7	0.19	--	2.0 U	0.50 U	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U
RISB-31	4/9/2019	N	EV19040076-01	--	--	--	--	--	2.0 U	0.50 U	2.0 U	0.089	--	2.0 U	0.50 U	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U
RISB-41	4/4/2019	N	EV19040046-02	50 U	150	250 U	--	--	2.0 U	0.50 U	2.0 U	0.11	--	2.0 U	0.50 U	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U
RISB-42	4/3/2019	N	EV19040031-06	110	260 U	1,900	--	--	2.0 U	19	1100	590	--	2.0 U	15	12	18	3.1	0.50 U	0.50 U	0.50 U	2.0 U	3.5	2.0 U	0.010 U	5.2	0.50 U	2.0 U	10 U
RISB-43	4/4/2019	N	EV19040046-08	50 U	130 U	250 U	--	--	2.0 U	0.50 U	2.0 U	0.020 U	--	2.0 U	0.50 U	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U
RISB-44	4/5/2019	N	EV19040051-04	50 U	260	250 U	--	--	2.0 U	1,100	1,700	73	--	2.0 U	0.50 U	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	6.2	2.0 U	0.010 U	40	0.53	2.0 U	10 U
RISB-45	4/4/2019	N	EV19040046-10	6,800	2,200	5,000	--	--	9,700	340,000	2,600	110	--	28	1.1	38	4.9	29	0.50 U	0.50 U	0.50 U	71	190	2.2	0.010 U	290	0.50 U	2.0 U	10 U
RISB-45	4/4/2019	FD	EV19040046-13	6,600	1,700	4,100	--	--	9,400	340,000	2,800	110	--	30	0.50 U	40	5.1	30	0.50 U	0.50 U	0.50 U	72	200	2.2	0.010 U	290	0.50 U	2.0 U	10 U
RISB-46	4/3/2019	N	EV19040031-01	140	690	1,500	--	--	250	17,000	5,100	85	--	15	0.51	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	11	30	2.0 U	0.010 U	14	0.78	2.0 U	10 U
RISB-47	4/5/2019	N	EV19040051-01	69	460	380	--	--	5.5	24,000	2,200	52	--	2.0 U	2.0	12	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	67	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U
RISB-48	4/5/2019	N	EV19040051-08	50 U	3,400	6,500	--	--	2.0 U	2,300	3,600	480	--	2.0 U	4.0	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	23	2.0 U	0.010 U	130	0.50 U	2.0 U	10 U
RISB-52	3/22/2019	N	EV19030150-01	--	220	350	--	--	2.0 U	85	81	4.4	--	2.0 U	0.66	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U
RISB-64	8/30/2019	N	EV19080215-09	50 U	240	250 U	--	--	2.0 U	18	2.0 U	0.058	--	2.0 U	0.50 U	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U
RISB-65	8/29/2019	N	EV19080215-05	50 U	140	250 U	--	--	2.0 U	160	26	1.8	--	2.0 U	0.50 U	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	8.3	0.50 U	2.0 U	10 U
RISB-66	8/29/2019	N	EV19080215-01	500 J	600	530	--	--	210	71,000	13,000	270	--	150	5.0 U	20 U	20 U	20 U	5.0 U	5.0 U	5.0 U	200	190	20 U	0.10 U	1.7	5.0 U	20 U	100 U
RISB-67	8/30/2019	N	EV19080222-01	96 J	250	250 U	--	--	36	49,000	4,300	200	--	3.7	0.65	2.3	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	190	97	2.0 U	0.010 U	0.69	0.50 U	2.0 U	10 U
SCPWD-1	11/8/2018	N	EV18110063-03	50 U	390 J	510	--	380	2.0 U	6,600	7,300	1,500	--	2.0 U	3.7	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	58	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U
SCPWD-1	8/29/2019	N	EV19080210-01	50 U	260	250 U	--	--	2.0 U	10,000	9,600	1,600	--	2.0 U	4.7	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	66	2.0 U	0.010 U	0.17	0.50 U	2.0 U	10 U

Table 11
Building C-29 Groundwater Analytical Results
Former TECT Aerospace Phase III Remedial Investigation/Feasibility Study
Paine Field – Everett, Washington

Sampling Location	Sampling Date	Sample Type	Laboratory Sample ID	Petroleum Hydrocarbons (µg/L; NWTPH-Gx, -Dx)					Petroleum Hydrocarbons (µg/L; NWTPH-Dx SGC)		Volatile and Semivolatile Organic Compounds (µg/L; SW-846 8260C, SW-846 8270D SIM)																		
				GRO C5-C12	DRO C12-C24	ORO C24-C40	DRO C12-C24	ORO C24-C40	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	Vinyl Chloride	1,4-Dioxane	1,1,1-Trichloroethane	Benzene	Toluene	Ethylbenzene	Xylenes, Total	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dibromoethane (EDB)	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	2-Hexanone
Screening Level:				800	500	500	500	500	5	0.54	16	0.029	0.44	200	0.795	640	700	1,600	1.68	0.5	0.768	7.68	7	N/A	0.022	0.481	1.22	80	N/A
RISB-76	11/22/2022	N	EV22110154-04	55 J	230 J	300	--	--	7.1	1,200 J	280	19	1.6	2.0 U	2.1	2.9	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	19	2.0 U	0.010 U	28	0.50 U	2.0 U	10 U
RISB-76	11/22/2022	FD	EV22110154-05	50 U	280 J	390	--	--	7.0	1,700 J	290	19	1.6	2.0 U	2.1	2.8	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	19	2.0 U	0.010 U	28	0.50 U	2.0 U	10 U
RISB-77	11/23/2022	N	EV22110154-09	--	--	--	--	--	2.0 U	20	72	10	0.71	2.0 U	0.50 U	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.076	0.50 U	2.0 U	10 U
RISB-78	11/29/2022	N	EV22110168-08	--	--	--	--	--	2.0 U	0.50 U	2.0 U	0.020 U	0.40 U	2.0 U	0.50 U	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U
RISB-79	11/29/2022	N	EV22110168-04	--	--	--	--	--	2.0 U	9.0	4.6	0.16	--	2.0 U	0.50 U	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U
RISB-80	11/8/2022	N	EV22110066-01	50 U	350	250 U	--	--	2.0 U	1,200 J	650 J	9.8	9.7 J	2.0 U	0.50 U	2.0 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	3.9	2.0 U	0.010 U	270 J	1.0	2.0 U	10 U

Table 11
Building C-29 Groundwater Analytical Results
Former TECT Aerospace Phase III Remedial Investigation/Feasibility Study
Paine Field – Everett, Washington

Sampling Location	Sampling Date	Sample Type	Laboratory Sample ID	Volatile and Semivolatile Organic Compounds (µg/L; SW-846 8260C, SW-846 8270D SIM)																					
				4-Isopropyltoluene	4-Methyl-2-pentanone	Acetone	Carbon Disulfide	Carbon Tetrachloride	Chloroethane	Chloroform	Isopropylbenzene	Methyl Ethyl Ketone	Methylene Chloride	Methyl-tert-butyl ether	Naphthalene	n-Propylbenzene	sec-Butylbenzene	trans-1,2-Dichloroethene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene	Indeno(1,2,3-cd)pyrene
Screening Level:				N/A	640	7,200	800	0.625	N/A	1.41	800	4,800	5	24.3	160	800	800	100	NE	NE	NE	NE	NE	NE	NE
C29-MW1	11/8/2018	N	EV18110063-02	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	220	--	--	--	--	--	--	--
C29-MW1	8/29/2019	N	EV19080210-02	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	350	--	--	--	--	--	--	--
C29-MW2	11/8/2018	N	EV18110063-04	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.9	--	--	--	--	--	--	--
C29-MW2	9/5/2019	N	EV19090027-05	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	3.3	--	--	--	--	--	--	--
DW2	11/7/2018	N	EV18110052-03	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.67	2.0 U	10 U	5.0 U	2.9	2.0 U	2.0 U	2.0 U	2.0 U	--	--	--	--	--	--	--
DW2	11/7/2018	FD	EV18110052-02	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.65	2.0 U	10 U	5.0 U	2.8	2.0 U	2.0 U	2.0 U	2.0 U	--	--	--	--	--	--	--
DW2	9/10/2019	N	EV19090062-02	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	16	2.0 U	2.0 U	2.0 U	16 J	--	--	--	--	--	--	--
DW2	9/10/2019	FD	EV19090062-01	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	15	2.0 U	2.0 U	2.0 U	5.3 J	--	--	--	--	--	--	--
HMB1	11/8/2018	N	EV18110063-01	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	--	--	--	--	--	--	--
HMB1	8/29/2019	N	EV19080210-03	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	--	--	--	--	--	--	--
MW1	11/5/2018	N	EV18110034-01	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	520	--	--	--	--	--	--	--
MW1	8/30/2019	N	EV19080221-02	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	430	--	--	--	--	--	--	--
MW2	11/5/2018	N	EV18110034-02	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	68	--	--	--	--	--	--	--
MW2	8/30/2019	N	EV19080210-05	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	24	--	--	--	--	--	--	--
MW3	11/5/2018	N	EV18110034-03	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	25 J	10 U	5.0 U	2.0 U	2.0 U	5.0 J	2.0 U	220	--	--	--	--	--	--	--
MW3	8/30/2019	N	EV19080221-01	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	28 J	10 U	5.0 U	2.0 U	2.0 U	8.0 J	2.0 U	230	--	--	--	--	--	--	--
MW4	11/7/2018	N	EV18110052-01	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	13 J	10 U	5.0 U	2.0 U	2.8 J	3.8 J	2.0 U	2.0 U	--	--	--	--	--	--	--
MW4	8/30/2019	N	EV19080210-07	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	23 J	10 U	5.0 U	2.0 U	2.9 J	8.1 J	2.0 U	2.0 U	--	--	--	--	--	--	--
MW4	8/30/2019	FD	EV19080210-06	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	24 J	10 U	5.0 U	2.0 U	3.1 J	8.4 J	2.0 U	2.0 U	--	--	--	--	--	--	--
RISB-30	3/22/2019	N	EV19030160-07	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	--	--	--	--	--	--	--
RISB-31	4/9/2019	N	EV19040076-01	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	--	--	--	--	--	--	--
RISB-41	4/4/2019	N	EV19040046-02	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	--	--	--	--	--	--	--
RISB-42	4/3/2019	N	EV19040031-06	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	3.2	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	110	--	--	--	--	--	--	--
RISB-43	4/4/2019	N	EV19040046-08	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	--	--	--	--	--	--	--
RISB-44	4/5/2019	N	EV19040051-04	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	120	--	--	--	--	--	--	--
RISB-45	4/4/2019	N	EV19040046-10	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.3	2.0 U	2.0 U	82	--	--	--	--	--	--	--
RISB-45	4/4/2019	FD	EV19040046-13	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.3	2.0 U	2.0 U	72	--	--	--	--	--	--	--
RISB-46	4/3/2019	N	EV19040031-01	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	46	--	--	--	--	--	--	--
RISB-47	4/5/2019	N	EV19040051-01	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	320	--	--	--	--	--	--	--
RISB-48	4/5/2019	N	EV19040051-08	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	560	--	--	--	--	--	--	--
RISB-52	3/22/2019	N	EV19030150-01	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	28	--	--	--	--	--	--	--
RISB-64	8/30/2019	N	EV19080215-09	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	--	--	--	--	--	--	--
RISB-65	8/29/2019	N	EV19080215-05	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	--	--	--	--	--	--	--
RISB-66	8/29/2019	N	EV19080215-01	20 U	100 U	250 U	20 U	5.0 U	20 U	5.0 U	20 U	100 U	50 U	20 U	20 U	20 U	20 U	78	--	--	--	--	--	--	--
RISB-67	8/30/2019	N	EV19080222-01	2.0 U	10 U	25 U	2.0 U	0.50 U	3.7	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	41	--	--	--	--	--	--	--
SCPWD-1	11/8/2018	N	EV18110063-03	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	180	--	--	--	--	--	--	--
SCPWD-1	8/29/2019	N	EV19080210-01	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	180	--	--	--	--	--	--	--

Table 11
Building C-29 Groundwater Analytical Results
Former TECT Aerospace Phase III Remedial Investigation/Feasibility Study
Paine Field – Everett, Washington

Sampling Location	Sampling Date	Sample Type	Laboratory Sample ID	Volatile and Semivolatile Organic Compounds (µg/L; SW-846 8260C, SW-846 8270D SIM)																					
				4-Isopropyltoluene	4-Methyl-2-pentanone	Acetone	Carbon Disulfide	Carbon Tetrachloride	Chloroethane	Chloroform	Isopropylbenzene	Methyl Ethyl Ketone	Methylene Chloride	Methyl-tert-butyl ether	Naphthalene	n-Propylbenzene	sec-Butylbenzene	trans-1,2-Dichloroethene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene	Indeno(1,2,3-cd)pyrene
Screening Level:				N/A	640	7,200	800	0.625	N/A	1.41	800	4,800	5	24.3	160	800	800	100	NE	NE	NE	NE	NE	NE	
RISB-76	11/22/2022	N	EV22110154-04	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	11	R	R	0.031 J-	R	R	R	R
RISB-76	11/22/2022	FD	EV22110154-05	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	12	R	R	0.025 J-	R	R	R	R
RISB-77	11/23/2022	N	EV22110154-09	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	--	--	--	--	--	--	--
RISB-78	11/29/2022	N	EV22110168-08	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	--	--	--	--	--	--	--
RISB-79	11/29/2022	N	EV22110168-04	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	--	--	--	--	--	--	--
RISB-80	11/8/2022	N	EV22110066-01	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	37	0.026 J-	R	0.041 J-	R	0.032 J-	R	R

Notes:

- = not analyzed
- U = The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.
- J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample
- J- = The result is an estimated quantity and the result may be biased low.
- UJ = The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
- R = The data are unusable. The sample results are rejected due to serious deficiencies in meeting quality control criteria. The analyte may or may not be present in the sample.
- Blue** text indicates detected analyte.
- Blue shading** indicates detected analyte exceeds applicable cleanup level.
- Yellow shading** indicates sample was collected as part of Phase III investigation.

Abbreviations and Acronyms:

- EPA = US Environmental Protection Agency
- ID = identification
- FD = field duplicate
- µg/L = micrograms per liter
- N = primary sample
- N/A = not applicable
- NE = not established
- NWTPH-Dx = Northwest total petroleum hydrocarbon extended-range diesel analysis
- NWTPH-Gx = Northwest total petroleum hydrocarbon extended-range gasoline analysis
- SGC = silica-gel cleanup
- SIM = selected ion monitoring

Table 12
Deep Aquifer Groundwater Analytical Results
Former TECT Aerospace Phase III Remedial Investigation/Feasibility Study
Paine Field – Everett, Washington

Sampling Location	Sampling Date	Sample Type	Laboratory Sample ID	Dissolved Gases (µg/L; RSK-175)			General Chemistry (µg/L; EPA 300.0, SM 5310C)				Volatile and Semivolatile Organic Compounds (µg/L; SW-846 8260C, SW-846 8270D SIM)																				
				Ethane	Ethene	Methane	Total Organic Carbon	Nitrogen, Nitrate (as N)	Nitrogen, Nitrate (As NO ₃)	Sulfate	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	Vinyl Chloride	1,4-Dioxane	1,1,1-Trichloroethane	Benzene	Toluene	Ethylbenzene	Xylenes, Total	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dibromoethane (EDB)	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	2-Hexanone
Screening Level:				N/A	N/A	N/A	N/A	10,000	10,000	N/A	5	0.54	16	0.029	0.44	200	0.795	640	700	1,600	1.68	0.5	0.768	7.68	7	N/A	0.022	0.481	1.22	80	N/A
DW1	11/7/2018	N	EV18110052-05	10 U	10 U	10 U	1,000 U	--	1,300	11,000	2.0 U	25	2.0 U	0.020 U	0.40 U	2.0 U	0.50 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	
DW1	9/12/2019	N	EV19090083-02	10 U	10 U	10 U	1,000 U	1,200	--	11,000	2.0 U	300	16	0.020 U	--	2.0 U	0.50 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	
DW2	11/7/2018	N	EV18110052-03	10 U	10 U	10 U	1,400	--	1,400	12,000	2.0 U	2.4	3.0	0.020 U	1.8	2.0 U	0.50 U	2.0 U	2.0 U	0.50 U	0.50 U	15	2.0 U	2.0	2.0 U	0.010 U	6.1	4.6	2.0 U	10 U	
DW2	11/7/2018	FD	EV18110052-02	10 U	10 U	10 U	1,500	--	1,500	14,000	2.0 U	2.4	3.1	0.020 U	1.6	2.0 U	0.50 U	2.0 U	2.0 U	0.50 U	0.50 U	15	2.0 U	2.0 U	2.0 U	0.010 U	6.0	4.5	2.0 U	10 U	
DW2	9/10/2019	N	EV19090062-02	10 U	10 U	10 U	1,000 U	1,400	--	18,000	2.0 U	120	190 J	0.92 J	0.40 U	2.0 U	0.50 U	2.0 U	2.0 U	0.50 U	0.50 U	6.8 J	2.0 U	2.0 U	2.0 U	0.010 U	4.2 J	3.0 J	2.0 U	10 U	
DW2	9/10/2019	FD	EV19090062-01	10 U	10 U	10 U	1,000 U	1,400	--	19,000	2.0 U	100	66 J	0.41 J	0.40 U	2.0 U	0.50 U	2.0 U	2.0 U	0.50 U	0.50 U	3.7 J	2.0 U	2.0 U	2.0 U	0.010 U	2.1 J	1.6 J	2.0 U	10 U	
DW3	11/7/2018	N	EV18110052-04	10 U	10 U	10 U	1,000 U	--	3,100	10,000	2.0 U	0.50 U	2.0 U	0.020 U	--	2.0 U	0.50 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	
DW3	9/12/2019	N	EV19090083-01	10 U	10 U	10 U	1,000 U	4,800	--	13,000	2.0 U	0.50 U	2.0 U	0.020 U	--	2.0 U	0.50 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	
RIDW-1	1/28/2019	N	EV19010151-04	10 U	10 U	10 U	4,300	--	150 U	13,000	2.0 U	0.50 U	2.0 U	0.020 U	--	2.0 U	0.50 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	
RIDW-1	1/28/2019	FD	EV19010151-02	10 U	10 U	10 U	4,100	--	150 U	11,000	2.0 U	0.50 U	2.0 U	0.020 U	--	2.0 U	0.50 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	
RIDW-1	9/12/2019	N	EV19090083-03	10 U	10 U	10 U	1,000 U	150 U	--	7,400	2.0 U	0.50 U	2.0 U	0.020 U	--	2.0 U	0.50 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	
RIDW-2	1/28/2019	N	EV19010151-03	10 U	10 U	10 U	2,700	--	210	72,000	2.0 U	0.50 U	2.0 U	0.020 U	--	2.0 U	0.50 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	
RIDW-2	9/11/2019	N	EV19090078-01	10 U	10 U	20	1,600	210	--	16,000	2.0 U	0.50 U	2.0 U	0.020 U	--	2.0 U	0.50 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	
RIDW-3	1/28/2019	N	EV19010151-01	10 U	10 U	10 U	7,400	--	150 U	21,000	2.0 U	0.50 U	2.0 U	0.020 U	0.40 U	2.0 U	0.50 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	
RIDW-3	9/11/2019	N	EV19090078-02	10 U	10 U	10 U	1,700	150 U	--	4,900	2.0 U	0.50 U	2.0 U	0.020 U	--	2.0 U	0.50 U	2.0 U	2.0 U	0.50 U	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	0.010 U	0.020 U	0.50 U	2.0 U	10 U	
RIDW-4	9/19/2019	N	EV19090145-01	10 U	10 U	10 U	8,200	150 U	--	26,000	2.0 U	1.2	8.5	0.18	4.8	2.0 U	0.50 U	2.0 U	2.0 U	0.50 U	0.50 U	1.1	2.0 U	2.0 U	2.0 U	0.010 U	5.8	4.0	2.0 U	10 U	

Table 12
Deep Aquifer Groundwater Analytical Results
Former TECT Aerospace Phase III Remedial Investigation/Feasibility Study
Paine Field – Everett, Washington

Sampling Location	Sampling Date	Sample Type	Laboratory Sample ID	Volatile and Semivolatile Organic Compounds (µg/L; SW-846 8260C, SW-846 8270D SIM)														
				4-Isopropyltoluene	4-Methyl-2-pentanone	Acetone	Carbon Disulfide	Carbon Tetrachloride	Chloroethane	Chloroform	Isopropylbenzene	Methyl Ethyl Ketone	Methylene Chloride	Methyl-tert-butyl ether	Naphthalene	n-Propylbenzene	sec-Butylbenzene	trans-1,2-Dichloroethene
Screening Level:				N/A	640	7,200	800	0.625	N/A	1.41	800	4,800	5	24.3	160	800	800	100
DW1	11/7/2018	N	EV18110052-05	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
DW1	9/12/2019	N	EV19090083-02	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.3
DW2	11/7/2018	N	EV18110052-03	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.67	2.0 U	10 U	5.0 U	2.9	2.0 U	2.0 U	2.0 U	2.0 U
DW2	11/7/2018	FD	EV18110052-02	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.65	2.0 U	10 U	5.0 U	2.8	2.0 U	2.0 U	2.0 U	2.0 U
DW2	9/10/2019	N	EV19090062-02	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 UJ	16	2.0 U	2.0 U	2.0 U	16 J
DW2	9/10/2019	FD	EV19090062-01	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 UJ	15	2.0 U	2.0 U	2.0 U	5.3 J
DW3	11/7/2018	N	EV18110052-04	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
DW3	9/12/2019	N	EV19090083-01	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RIDW-1	1/28/2019	N	EV19010151-04	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RIDW-1	1/28/2019	FD	EV19010151-02	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RIDW-1	9/12/2019	N	EV19090083-03	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RIDW-2	1/28/2019	N	EV19010151-03	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RIDW-2	9/11/2019	N	EV19090078-01	2.0 U	10 U	25 U	3.9	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RIDW-3	1/28/2019	N	EV19010151-01	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RIDW-3	9/11/2019	N	EV19090078-02	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	0.50 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
RIDW-4	9/19/2019	N	EV19090145-01	2.0 U	10 U	25 U	2.0 U	0.50 U	2.0 U	3.5	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U

Notes:

- = not analyzed
- U = The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.
- J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
- UJ = The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
- Bold** text indicates detected analyte.
- Blue shading indicates detected analyte exceeds applicable cleanup level.
- Yellow shading indicates sample was collected as part of Phase III investigation.

Abbreviations and Acronyms:

- EPA = US Environmental Protection Agency
- ID = identification
- FD = field duplicate
- µg/L = micrograms per liter
- N = primary sample
- N/A = not applicable
- SIM = selected ion monitoring

Soil Boring and Well Installation Logs

Soil Classification System

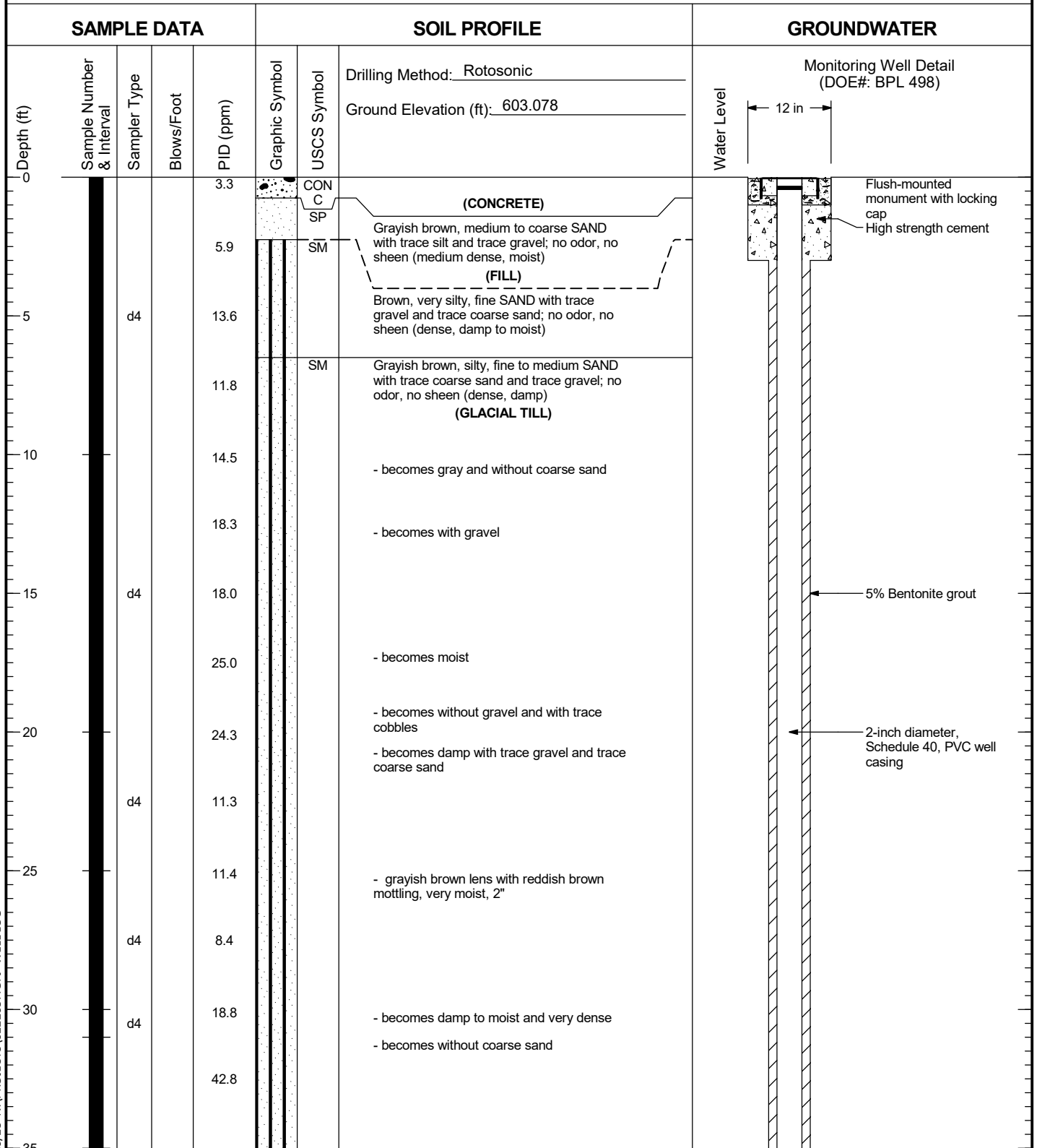
	MAJOR DIVISIONS	CLEAN GRAVEL (Little or no fines)	GRAPHIC SYMBOL	LETTER SYMBOL ⁽¹⁾	TYPICAL DESCRIPTIONS ⁽²⁾⁽³⁾
COARSE-GRAINED SOIL (More than 50% of material is larger than No. 200 sieve size)	GRAVEL AND GRAVELLY SOIL (More than 50% of coarse fraction retained on No. 4 sieve)	CLEAN GRAVEL (Little or no fines)		GW	Well-graded gravel; gravel/sand mixture(s); little or no fines
		GRAVEL WITH FINES (Appreciable amount of fines)		GP	Poorly graded gravel; gravel/sand mixture(s); little or no fines
	SAND AND SANDY SOIL (More than 50% of coarse fraction passed through No. 4 sieve)	CLEAN SAND (Little or no fines)		GM	Silty gravel; gravel/sand/silt mixture(s)
		GRAVEL WITH FINES (Appreciable amount of fines)		GC	Clayey gravel; gravel/sand/clay mixture(s)
		CLEAN SAND (Little or no fines)		SW	Well-graded sand; gravelly sand; little or no fines
		SAND WITH FINES (Appreciable amount of fines)		SP	Poorly graded sand; gravelly sand; little or no fines
FINE-GRAINED SOIL (More than 50% of material is smaller than No. 200 sieve size)	SILT AND CLAY (Liquid limit less than 50)		ML	Inorganic silt and very fine sand; rock flour; silty or clayey fine sand or clayey silt with low plasticity	
			CL	Inorganic clay of low to medium plasticity; gravelly clay; sandy clay; silty clay; lean clay	
			OL	Organic silt; organic, silty clay of low plasticity	
	SILT AND CLAY (Liquid limit greater than 50)		MH	Inorganic silt; micaceous or diatomaceous fine sand; elastic silt	
			CH	Inorganic clay of high plasticity; fat clay	
			OH	Organic clay of medium to high plasticity; organic silt	
	HIGHLY ORGANIC SOIL			PT	Peat; humus; swamp soil with high organic content

OTHER MATERIALS	GRAPHIC SYMBOL	LETTER SYMBOL	TYPICAL DESCRIPTIONS
PAVEMENT		AC or PC	Asphalt concrete pavement or Portland cement pavement
ROCK		RK	Rock (See Rock Classification)
WOOD		WD	Wood, lumber, wood chips
DEBRIS		DB	Construction debris, garbage

- Notes:
- USCS letter symbols correspond to symbols used by the Unified Soil Classification System and ASTM classification methods. Dual letter symbols (e.g., SP-SM for sand or gravel) indicate soil with an estimated 5-15% fines. Multiple letter symbols (e.g., ML/CL) indicate borderline or multiple soil classifications.
 - Soil descriptions are based on the general approach presented in the Standard Practice for Description and Identification of Soils (Visual-Manual Procedure), outlined in ASTM D 2488. Where laboratory index testing has been conducted, soil classifications are based on the Standard Test Method for Classification of Soils for Engineering Purposes, as outlined in ASTM D 2487.
 - Soil description terminology is based on visual estimates (in the absence of laboratory test data) of the percentages of each soil type and is defined as follows:
 - Primary Constituent: > 50% - "GRAVEL," "SAND," "SILT," "CLAY," etc.
 - Secondary Constituents: > 30% and < 50% - "very gravelly," "very sandy," "very silty," etc.
 - > 15% and < 30% - "gravelly," "sandy," "silty," etc.
 - Additional Constituents: > 5% and < 15% - "with gravel," "with sand," "with silt," etc.
 - < 5% - "with trace gravel," "with trace sand," "with trace silt," etc., or not noted.
 - Soil density or consistency descriptions are based on judgement using a combination of sampler penetration blow counts, drilling or excavating conditions, field tests, and laboratory tests, as appropriate.

Drilling and Sampling Key		Field and Lab Test Data																																																																																
SAMPLER TYPE & METHOD	SAMPLE NUMBER & INTERVAL	Code Description																																																																																
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RIDW-5



- Notes:
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222057_5/16/23 N:\PROJECTS\0222057.GPJ WELL LOG



TECT Aerospace Leasehold
Everett, Washington

Log of Monitoring Well RIDW-5

Figure
1-2
(1 of 5)

RIDW-5

SAMPLE DATA		SOIL PROFILE				GROUNDWATER					
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: <u>Rotosonic</u>	Ground Elevation (ft): <u>603.078</u>	Water Level	Monitoring Well Detail (DOE#: BPL 498)	
	35	d4		64.4	[Symbol]	SM	- becomes with gravel				
35				124	[Symbol]		Grayish brown, silty, fine to medium SAND with trace coarse sand and trace gravel; no odor, no sheen (dense, damp)				
40				10.4	[Symbol]		(GLACIAL TILL)				
40				29.2	[Symbol]		- becomes with cobbles				
45	d4			24.8	[Symbol]		Soil sample: RIDW-5-(36.5-37.5')			← 5% Bentonite grout	
45				29.4	[Symbol]		- becomes with trace cobbles and with coarse sand				
50				16.8	[Symbol]		- becomes without coarse sand				
50				29.6	[Symbol]		- becomes fine sand				
55	d4			69.8	[Symbol]		- becomes moist				
55				54.9	[Symbol]						
60				29.1	[Symbol]	ML	- becomes with trace coarse sand				
60	d4			71.2	[Symbol]	SM	Light gray, very sandy SILT with trace gravel and trace coarse sand; no odor, no sheen (loose, dry)			← 2-inch diameter, Schedule 40, PVC well casing	
65				51.5	[Symbol]		Grayish brown, silty, medium SAND with gravel and trace coarse sand; no odor, no sheen (very dense, moist)				
65	d4			58.9	[Symbol]	SP-SM	- becomes with trace cobbles, damp to moist				
70				58.9	[Symbol]		Brown, medium SAND with silt and gray silt lenses; no odor, no sheen (very dense, moist)				
70					[Symbol]		(ADVANCE OUTWASH)			← 5% Bentonite grout	
70					[Symbol]		- becomes without gravel				

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222057_5/16/23 N:\PROJECTS\0222057.GPJ WELL LOG



TECT Aerospace Leasehold
Everett, Washington

Log of Monitoring Well RIDW-5

Figure
1-2
(2 of 5)

RIDW-5

SAMPLE DATA				SOIL PROFILE			GROUNDWATER			
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: <u>Rotosonic</u>	Ground Elevation (ft): <u>603.078</u>	Water Level	Monitoring Well Detail (DOE#: BPL 498)
70				29.8		SP-SM	Brown, medium SAND with silt and gray silt lenses; no odor, no sheen (very dense, moist)			
		d4		57.6			(ADVANCE OUTWASH)			
				62.5			- becomes with trace gravel - oxidized lenses - sand lenses without silt - becomes grayish brown without gravel			
75				58.0			- becomes brown with gravel - becomes with reddish oxidation			
		d4		41.2			- grayish brown silty sand lens with trace cobbles, 6" - becomes brown medium to coarse sand with trace gravel			
				30.5			- grayish brown silty sand lens with trace cobbles			
85		d4		23.8		SP	Grayish brown, medium to coarse SAND with trace silt; no odor, no sheen (very dense, damp to moist)			
				44.6		SP-SM	Grayish brown, medium SAND with silt and trace gravel; no odor, no sheen (very dense, damp to moist)			
90				24.2			- brown medium to coarse sand lens with trace silt, 6"			← 5% Bentonite grout
				62.2			- becomes gravelly and with gravel			
							- becomes without cobbles			
95		d4		139.4		SP	Grayish brown, gravelly, medium SAND with trace silt; no odor, no sheen (dense, damp to moist)			← 2-inch diameter, Schedule 40, PVC well casing
				83.1		SP-SM	Grayish brown, gravelly, medium to coarse SAND with silt; no odor, no sheen (dense, damp to moist)			
100				21.5						
				29.1			- becomes dry to damp for 1'			

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222057_5/16/23 N:\PROJECTS\0222057.GPJ WELL LOG



TECT Aerospace Leasehold
Everett, Washington

Log of Monitoring Well RIDW-5

Figure
1-2
(3 of 5)

RIDW-5

SAMPLE DATA				SOIL PROFILE			GROUNDWATER		
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: <u>Rotosonic</u> Ground Elevation (ft): <u>603.078</u>	Water Level	Monitoring Well Detail (DOE#: BPL 498)
105		d4		41.8		SP	Brown, medium SAND with gravel, trace silt and trace cobbles; no odor, no sheen (dense, damp to moist)		2-inch diameter, Schedule 40, PVC well casing 5% Bentonite grout ATD Bentonite chips
				9.6					
110				43.6		SP-SM	Grayish brown, fine to medium SAND with silt and trace gravel; no odor, no sheen (dense, moist)		
				94.8			- silty sand lens, 1' - becomes dry to damp		
115		d4		21.1		SM	Grayish brown, silty, fine to medium SAND with trace gravel and trace coarse sand; no odor, no sheen		
				46.1			- becomes very silty - sand with silt lens, 1'		
120				46.6		ML	Light gray, sandy SILT with trace gravel; no odor, no sheen (dense, dry)		
		d4		121.4		SM	Grayish brown, silty, fine to medium SAND with trace coarse sand and trace gravel; no odor, no sheen (dense, damp to moist)		
125				114.9		ML	Gray, sandy SILT with trace gravel; no odor, no sheen (very stiff, moist)		
				135.7		SP-SM	Brown, fine to medium SAND with silt and trace coarse sand; no odor, no sheen (very dense, damp)		
130		d4		28.8			- grayish brown silty sand lens, 1' - grayish brown silty sand lens, 1'		
				50.1		SP	Brown, fine SAND with trace coarse sand; no odor, no sheen (very dense, dry)	ATD	
				95.8		SP-SM	Brown, medium SAND with trace coarse sand and trace gravel; no odor, no sheen - becomes dry		
135				214.2		ML	Soil sample: RIDW-5-(136-137') Light brown, sandy SILT with trace gravel; no odor, no sheen (loose, dry)		
						SM	Grayish brown, silty, fine to medium SAND; no odor, no sheen (dense, moist)		
140						SP-SM			

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222057_5/16/23 N:\PROJECTS\0222057.GPJ WELL LOG

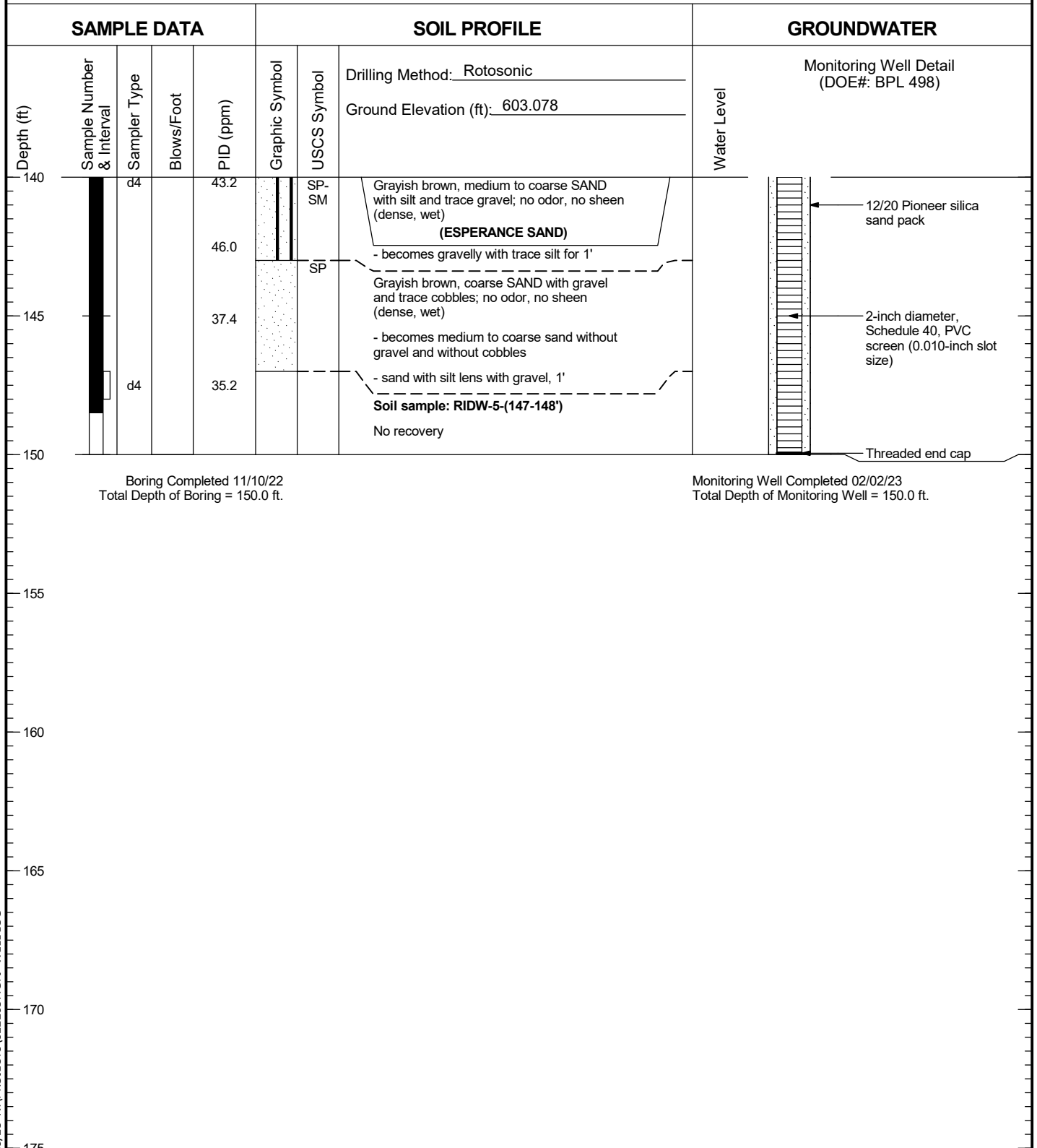


TECT Aerospace Leasehold
Everett, Washington

Log of Monitoring Well RIDW-5

Figure
1-2
(4 of 5)

RIDW-5



Boring Completed 11/10/22
Total Depth of Boring = 150.0 ft.

Monitoring Well Completed 02/02/23
Total Depth of Monitoring Well = 150.0 ft.

- Notes:
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222057_5/16/23 N:\PROJECTS\0222057.GPJ WELL LOG

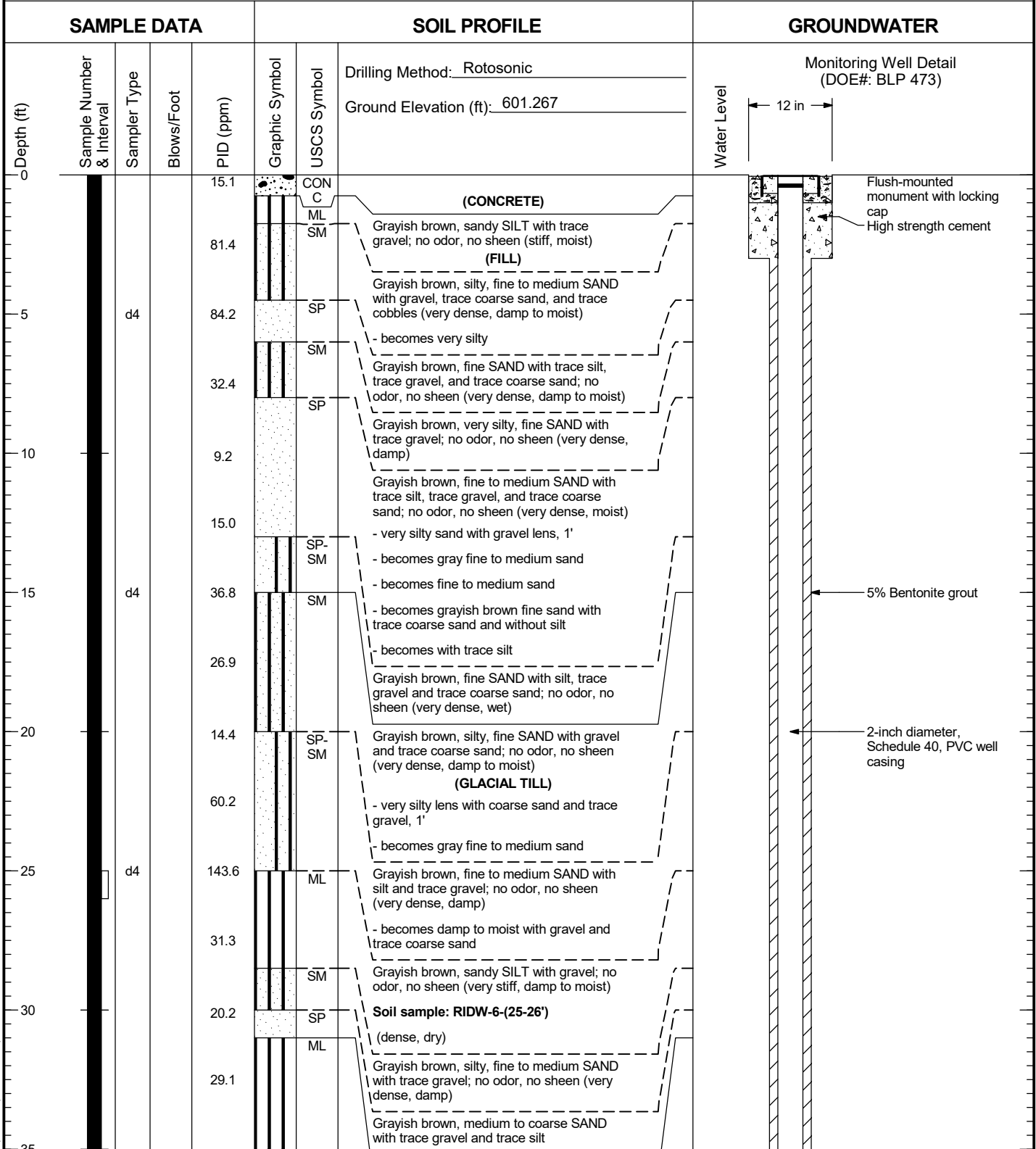


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Everett, Washington

Log of Monitoring Well RIDW-5

Figure
1-2
(5 of 5)

RIDW-6



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RIDW-6

SAMPLE DATA		SOIL PROFILE				GROUNDWATER	
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: <u>Rotasonic</u>
	Ground Elevation (ft): <u>601.267</u>						
35		d4			ML		Water Level
					SM	- becomes with cobbles	
				125.2		Grayish brown, sandy SILT with gravel; no odor, no sheen (hard, damp to moist)	
				49.9		Grayish brown, silty, fine to medium SAND with gravel, cobbles, and trace coarse sand; no odor, no sheen (very dense, damp)	
40				56.8			5% Bentonite grout
		d4		121.6		- becomes without cobbles and with coarse sand	2-inch diameter, Schedule 40, PVC well casing
				68.0		- becomes dry to damp	
				49.5		- becomes with cobbles	
45				97.2		Grayish brown, very silty, fine to medium SAND with gravel, trace cobbles, and trace coarse sand; no odor, no sheen (very dense, dry to damp)	
				102.0		- becomes dry and gravelly	
		d4		114.8		- becomes with cobbles	
				29.7	ML	Gray, sandy SILT with gravel and trace cobbles; no odor, no sheen (very stiff, damp)	2-inch diameter, Schedule 40, PVC well casing
50				48.0	SM	Grayish brown, silty, medium to coarse SAND with gravel; no odor, no sheen (very dense, damp)	
				4.4	SP-SM	Dark greenish brown, fine to medium SAND with silt; no odor, no sheen (very dense, damp to moist)	5% Bentonite grout
		d4		12.3		- gray sandy silt lens with trace cobbles, 4"	
						- becomes with trace gravel	
55							
60							
65							
70							

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222057_5/16/23 N:\PROJECTS\0222057.GPJ WELL LOG



TECT Aerospace Leasehold
Everett, Washington

Log of Monitoring Well RIDW-6

Figure
1-3
(2 of 5)

RIDW-6

SAMPLE DATA				SOIL PROFILE			GROUNDWATER			
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: <u>Rotosonic</u>	Ground Elevation (ft): <u>601.267</u>	Water Level	Monitoring Well Detail (DOE#: BLP 473)
70				65.9		SM	Brown, silty, medium to coarse SAND with gravel; no odor, no sheen (very dense, moist)			
				13.0			(ADVANCE OUTWASH)			
				17.4			- becomes with trace gravel - becomes with gravel and damp to moist			
75		d4		18.2		SP-SM	Brown, medium to coarse SAND with silt and gravel; no odor, no sheen (very dense, moist)			
				29.7		SM	Reddish brown, silty, fine to medium SAND with trace coarse sand; no odor, no sheen (very dense, damp to moist)			
				34.3		SP-SM	Brown, medium to coarse SAND with silt and gravel; no odor, no sheen (very dense, damp to moist)			
		d4		37.4			- becomes grayish brown - becomes with cobbles			
85				95.1			- fine to medium sand lens with trace silt, 6"			
				46.4		SP	Brown, medium SAND with trace silt and trace coarse sand; no odor, no sheen (very dense, damp)			5% Bentonite grout
90				83.9		SP-SM	Brown, medium to coarse SAND with silt; no odor, no sheen (very dense, damp to moist)			
		d4		53.6		GM	Brown, silty, fine GRAVEL with coarse sand; no odor, no sheen (very dense, moist)			2-inch diameter, Schedule 40, PVC well casing
95				32.4		ML	Brown, sandy SILT with gravel; no odor, no sheen (very stiff, moist)			
				3.1		SM	Brown, silty, medium SAND with trace coarse sand; no odor, no sheen (very dense, moist)			
100				42.3			- sand with silt and trace gravel lens, 1'			
105							- sand with trace silt and trace gravel lens, 1'			

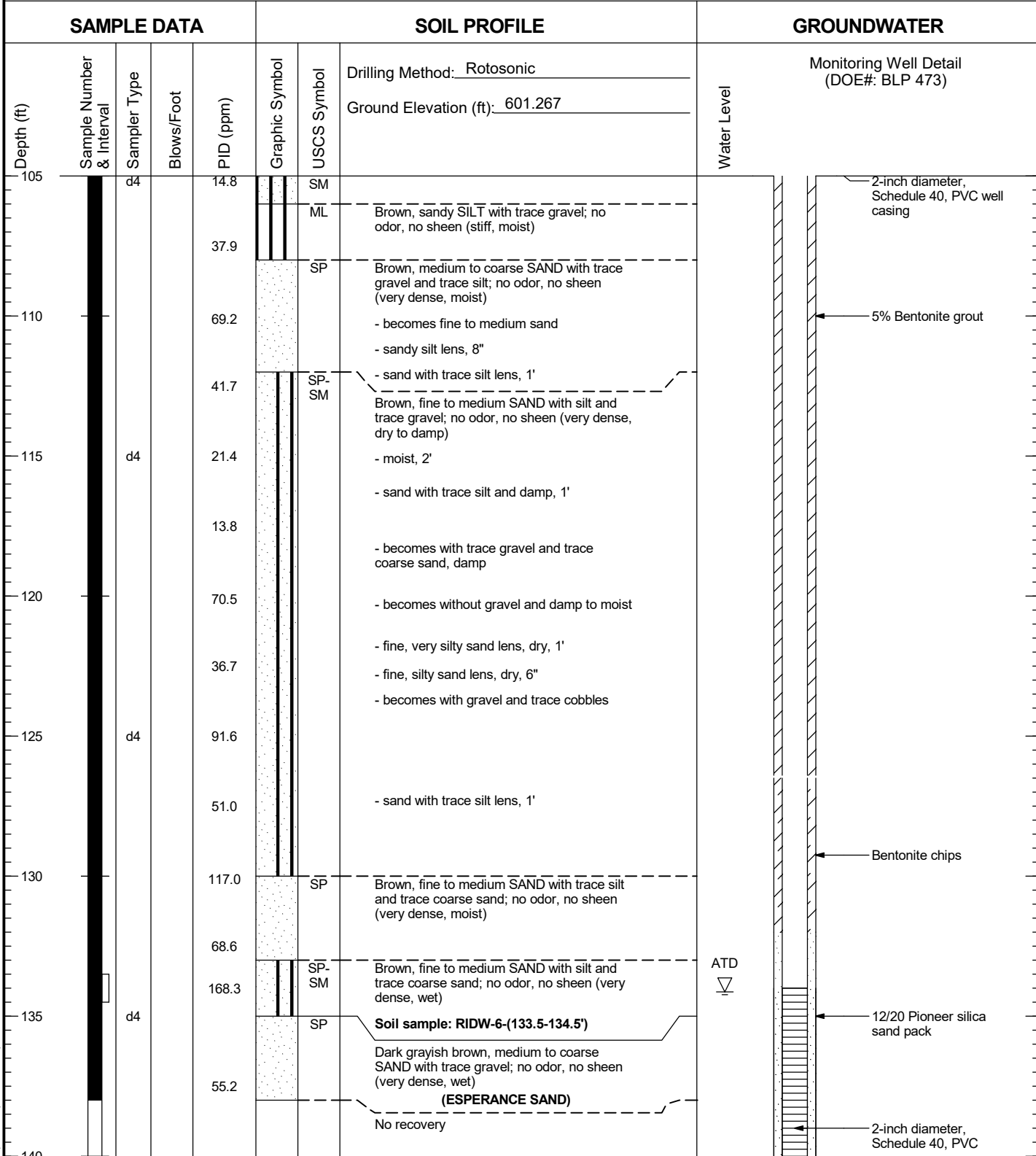
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222057_5/16/23 N:\PROJECTS\0222057.GPJ WELL LOG



TECT Aerospace Leasehold Everett, Washington	Log of Monitoring Well RIDW-6	Figure 1-3 (3 of 5)
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RIDW-6



- Notes:
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222057_5/16/23 N:\PROJECTS\0222057.GPJ WELL LOG

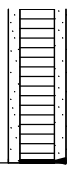


TECT Aerospace Leasehold
Everett, Washington

Log of Monitoring Well RIDW-6

Figure
1-3
(4 of 5)

RIDW-6

SAMPLE DATA		SOIL PROFILE				GROUNDWATER		
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: <u>Rotosonic</u>	
		d4					Ground Elevation (ft): <u>601.267</u>	
140						No recovery	Water Level	
								Monitoring Well Detail (DOE#: BLP 473)
145	Boring Completed 11/15/22 Total Depth of Boring = 144.0 ft.				Monitoring Well Completed 11/18/23 Total Depth of Monitoring Well = 144.0 ft.			
150								
155								
160								
165								
170								
175								

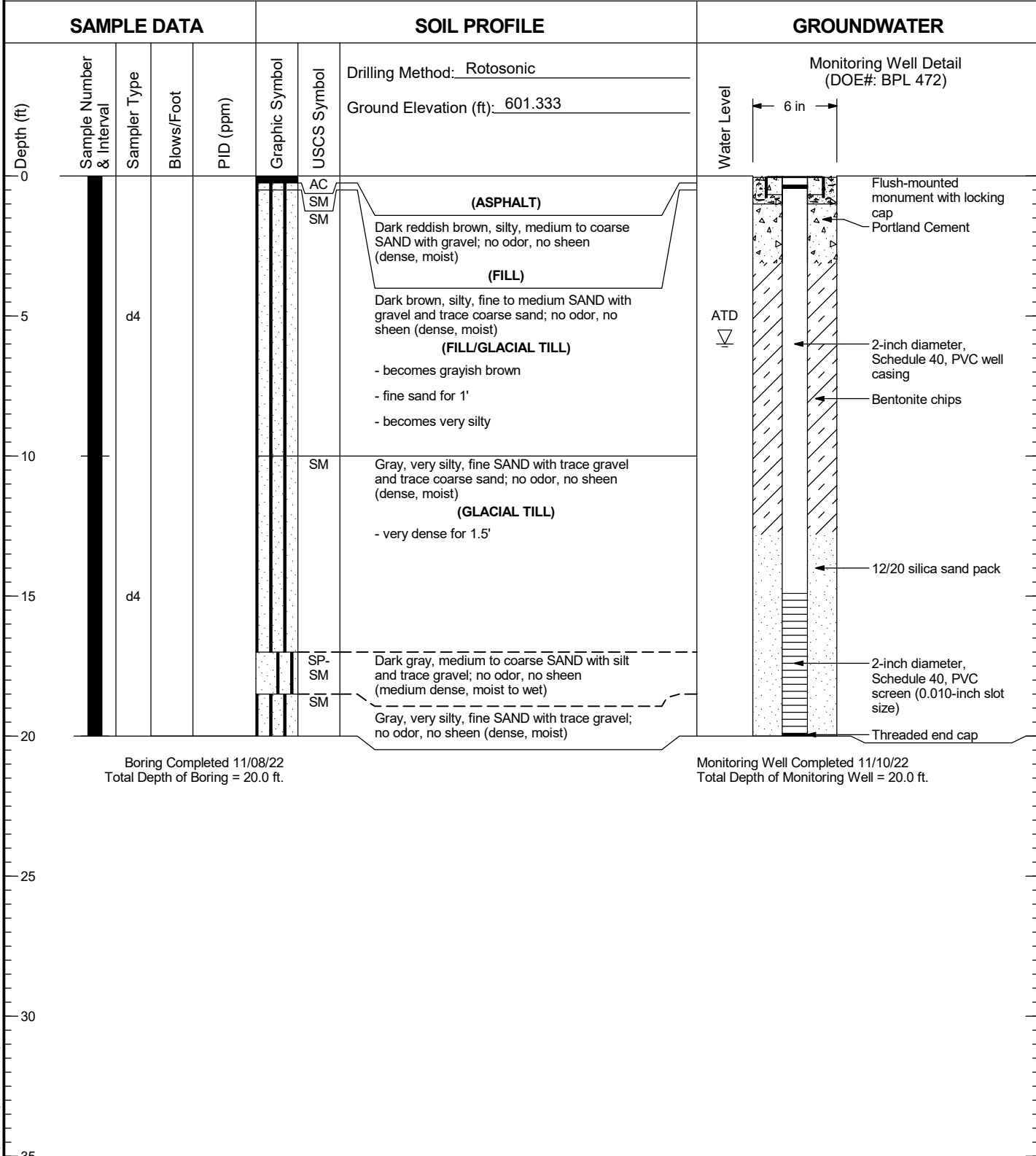
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TECT Aerospace Leasehold Everett, Washington	Log of Monitoring Well RIDW-6	Figure 1-3 (5 of 5)
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RIGW-3



- Notes:
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222057_5/16/23 N:\PROJECTS\0222057.GPJ WELL LOG

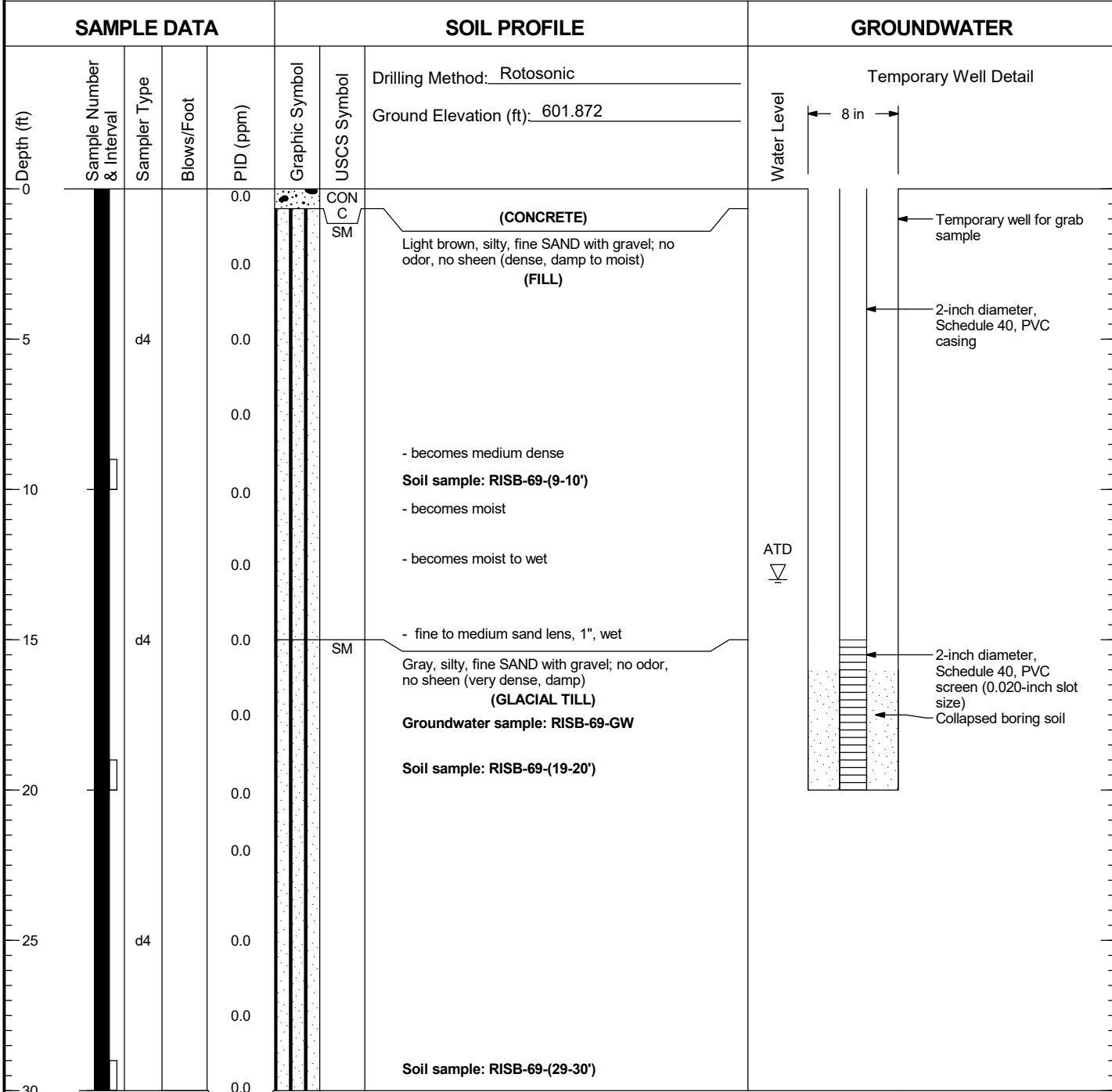


TECT Aerospace Leasehold
Everett, Washington

Log of Monitoring Well RIGW-3

Figure
1-4

RISB-69

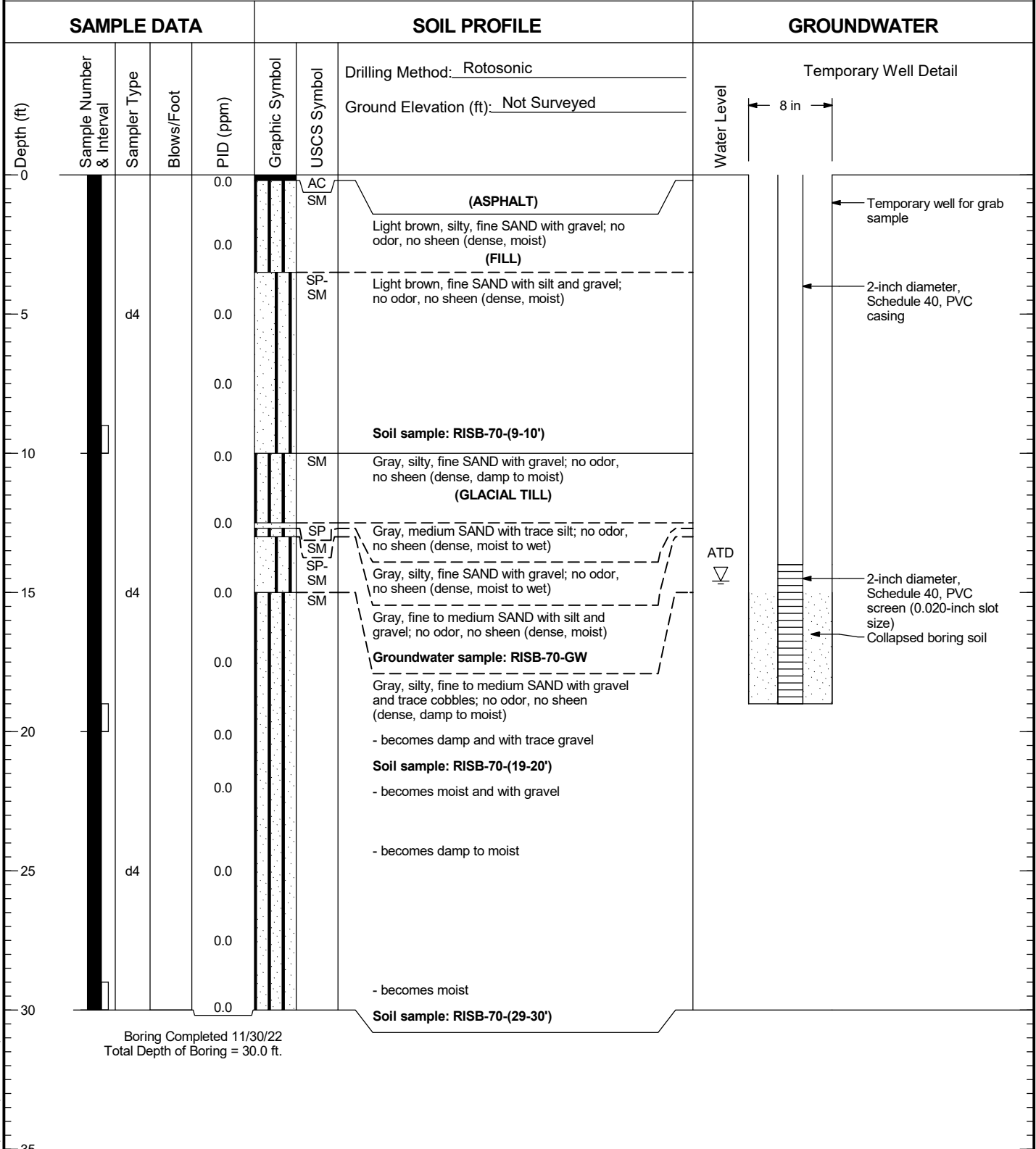


Boring Completed 12/01/22
Total Depth of Boring = 30.0 ft.

- Notes:
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222057_5/16/23 N:\PROJECTS\0222057.GPJ WELL LOG

RISB-70



Boring Completed 11/30/22
Total Depth of Boring = 30.0 ft.

- Notes:
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222057_5/16/23 N:\PROJECTS\0222057.GPJ WELL LOG

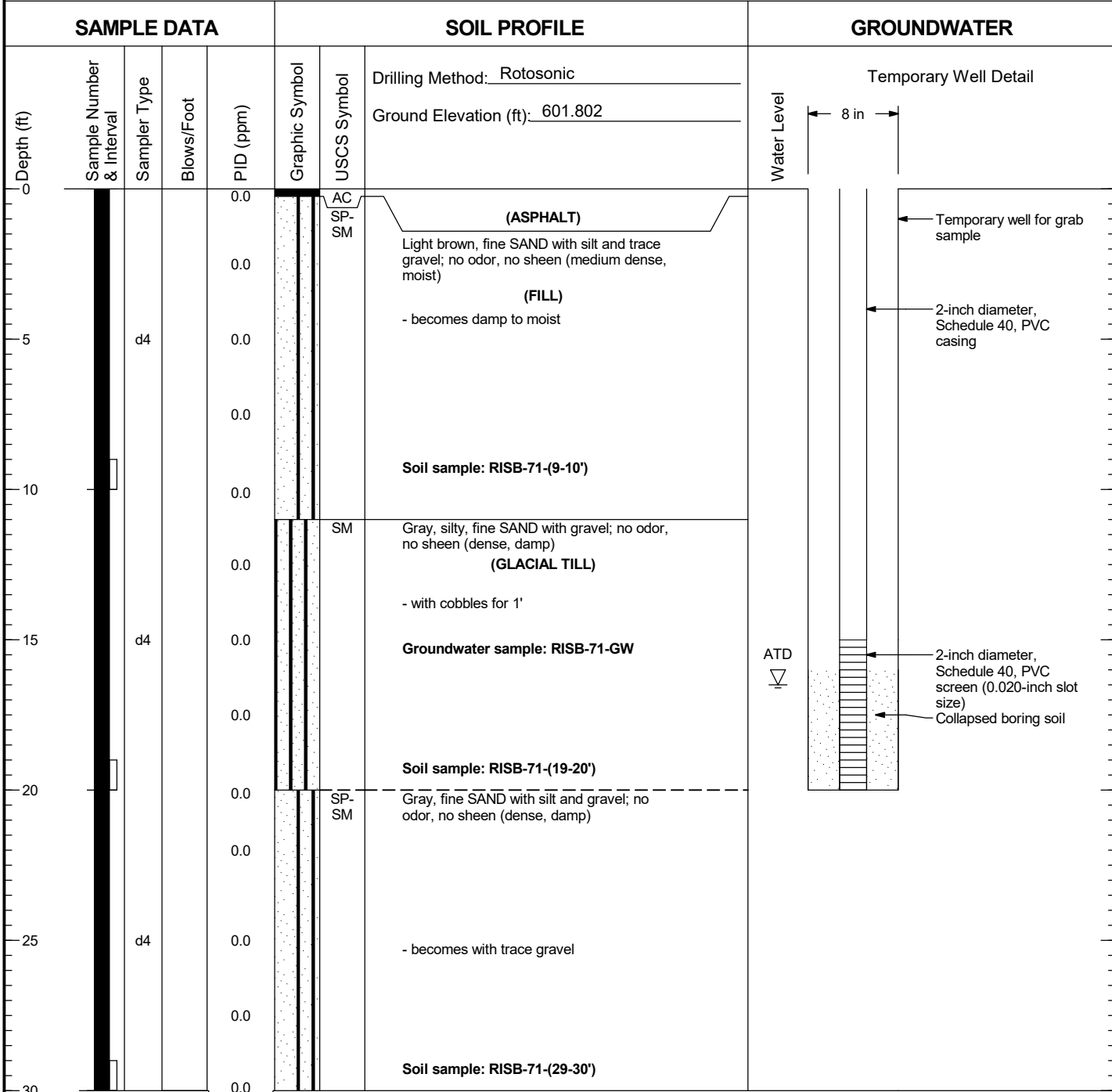


TECT Aerospace Leasehold
Everett, Washington

Log of Temporary Well
RISB-70

Figure
1-6

RISB-71



Boring Completed 12/01/22
Total Depth of Boring = 30.0 ft.

- Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
 2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
 3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057_5/16/23 N:\PROJECTS\0222057.GPJ WELL LOG



TECT Aerospace Leasehold
Everett, Washington

Log of Temporary Well
RISB-71

Figure
1-7

RISB-74

SAMPLE DATA				SOIL PROFILE			GROUNDWATER
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	
	13.9 - 15.8	d4		13.9	CON C		(CONCRETE)
				15.8	SP- SM SP- SM SM		Brown, coarse SAND with silt and gravel; no odor, no sheen (dense, damp to moist) (FILL)
				28.5	SP- SM SM		Gray, fine to medium SAND with silt, gravel and trace cobbles; no odor, no sheen (dense, moist) (FILL/GLACIAL TILL)
				3.9	SP- SM		Gray, silty, fine to medium SAND with trace gravel; no odor, no sheen (dense, moist)
				56.7	SP- SM		Gray, fine to medium SAND with silt and trace gravel; no odor, no sheen (dense, moist to wet)
				20.8	SP- SM		Gray, silty, fine to medium SAND with trace gravel; no odor, no sheen (dense, moist) Soil sample: RISB-74-(7-8') - becomes fine sand with trace coarse sand
				65.5	SP		Gray, medium SAND with silt; no odor, no sheen (dense, moist) - becomes fine to medium sand with gravel and cobbles
				30.9	SM		Gray, fine SAND with trace silt; no odor, no sheen (dense, wet)
				75.9			Gray, very silty, fine SAND with gravel, cobbles and trace coarse sand; no odor, no sheen (very dense, moist) (GLACIAL TILL) - becomes dry to damp Soil sample: RISB-74-(19-20')
				12.3			- becomes moist
				7.5			- becomes fine to medium sand - damp for 6"
				13.1			- becomes damp to dry with trace cobbles Soil sample: RISB-74-(29-30')
				145.0			

Groundwater Not Measured.

Boring Completed 11/21/22
Total Depth of Boring = 30.0 ft.

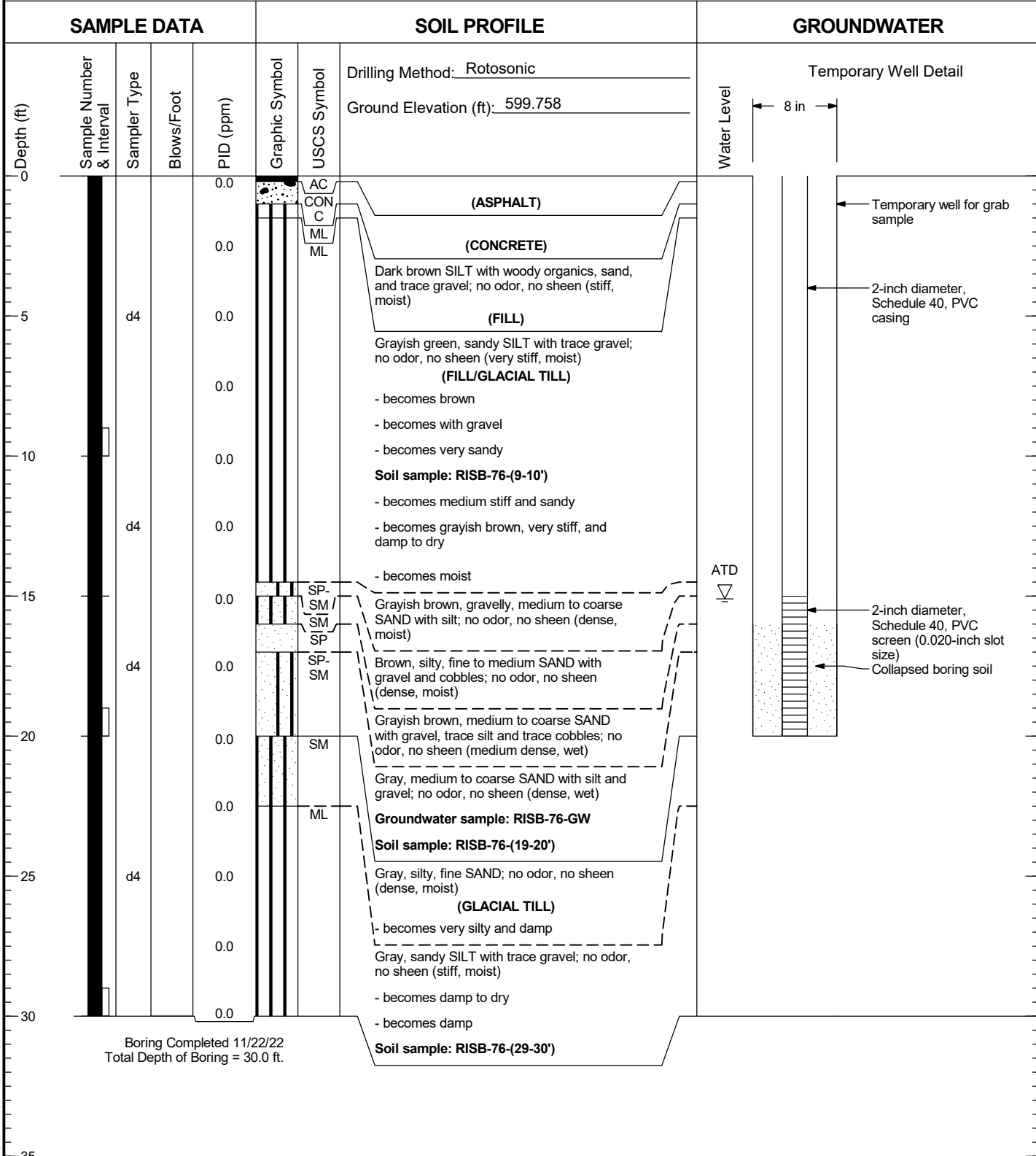
- Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
 2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
 3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057_5/16/23 N:\PROJECTS\0222057.GPJ SOIL BORING LOG



TECT Aerospace Leasehold Everett, Washington	Log of Boring RISB-74	Figure 1-8
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RISB-76



Boring Completed 11/22/22
Total Depth of Boring = 30.0 ft.

- Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
 2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
 3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057_5/16/23 N:\PROJECTS\0222057.GPJ WELL LOG

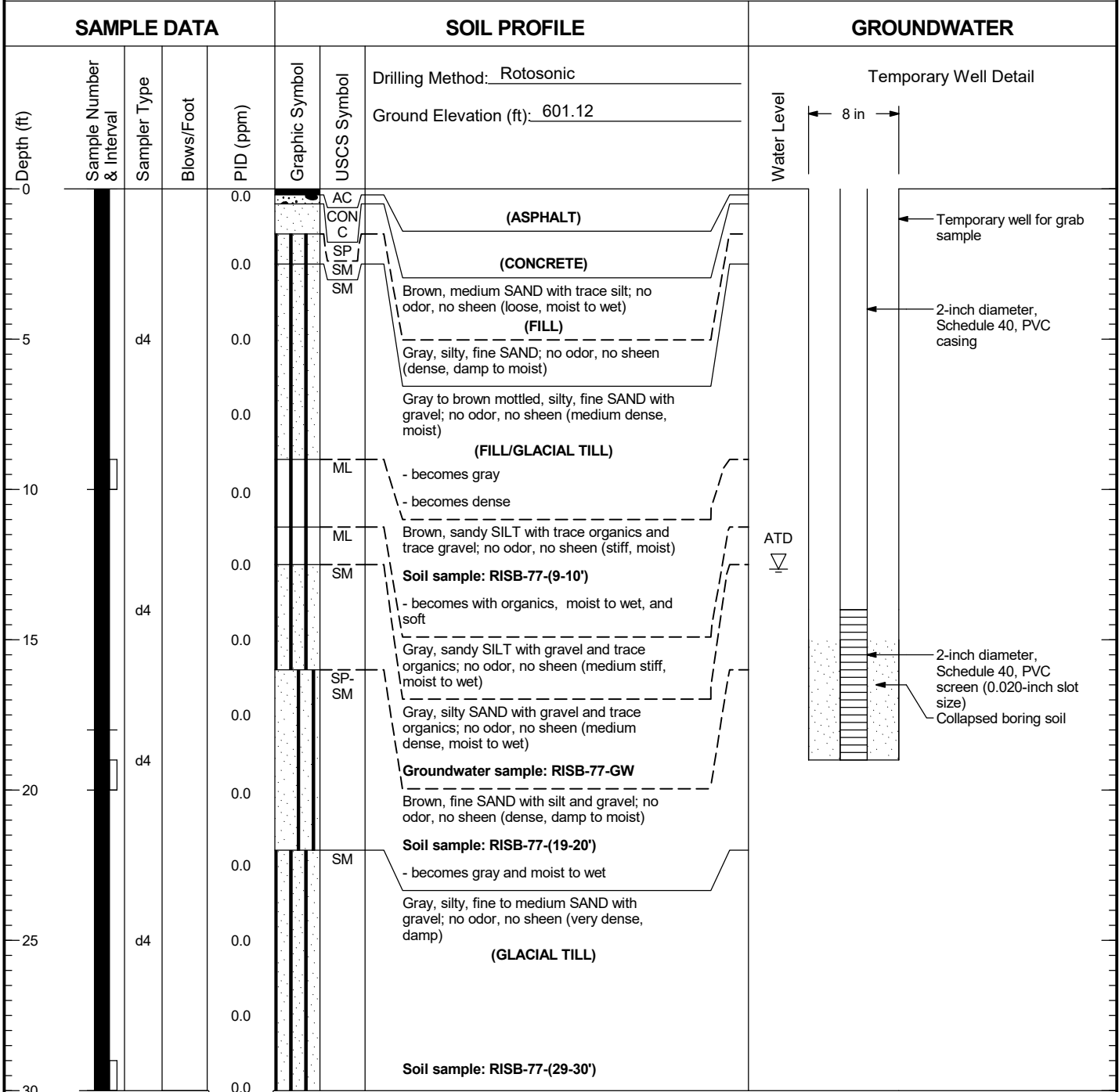


TECT Aerospace Leasehold
Everett, Washington

Log of Temporary Well
RISB-76

Figure
1-10

RISB-77



Boring Completed 11/23/22
Total Depth of Boring = 30.0 ft.

- Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
 2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
 3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057_5/16/23 N:\PROJECTS\0222057.GPJ WELL LOG



TECT Aerospace Leasehold
Everett, Washington

Log of Temporary Well
RISB-77

Figure
1-11

RISB-78

SAMPLE DATA				SOIL PROFILE			GROUNDWATER	
Depth (ft) 0 5 10 15 20 25 30 35	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: <u>Rotosonic</u>	Temporary Well Detail Water Level 8 in Temporary well for grab sample 2-inch diameter, Schedule 40, PVC casing ATD 2-inch diameter, Schedule 40, PVC screen (0.020-inch slot size) Collapsed boring soil
	Ground Elevation (ft): <u>602.06</u>							
				0.0	SP-SM	Brown, fine SAND with silt, gravel, and trace cobbles; no odor, no sheen (dense, moist) (FILL)		
		d4		0.0	SP	Brown, fine SAND with gravel and trace silt; no odor, no sheen (dense, moist)		
				0.0	SP-SM	Gray, fine to medium SAND with gravel and silt; no odor, no sheen (dense, damp to moist) (GLACIAL TILL) Soil sample: RISB-78-(9-10') - becomes moist		
		d4		0.0	SP-SP-SM	Gray, fine SAND with trace silt; no odor, no sheen (dense, moist to wet) Gray, fine SAND with silt and gravel; no odor, no sheen (dense, damp) Groundwater sample: RISB-78-GW Soil sample: RISB-78-(19-20')	ATD ▽	
			0.0	SP-SP-SM	Gray, fine to medium SAND with trace silt; no odor, no sheen (dense, damp to moist) Gray, fine SAND with gravel and silt; no odor, no sheen (dense, damp to moist)			
	d4		0.0	SM	Gray, silty, fine SAND; no odor, no sheen (dense, damp to moist) Soil sample: RISB-78-(29-30')			

Boring Completed 11/29/22
Total Depth of Boring = 30.0 ft.

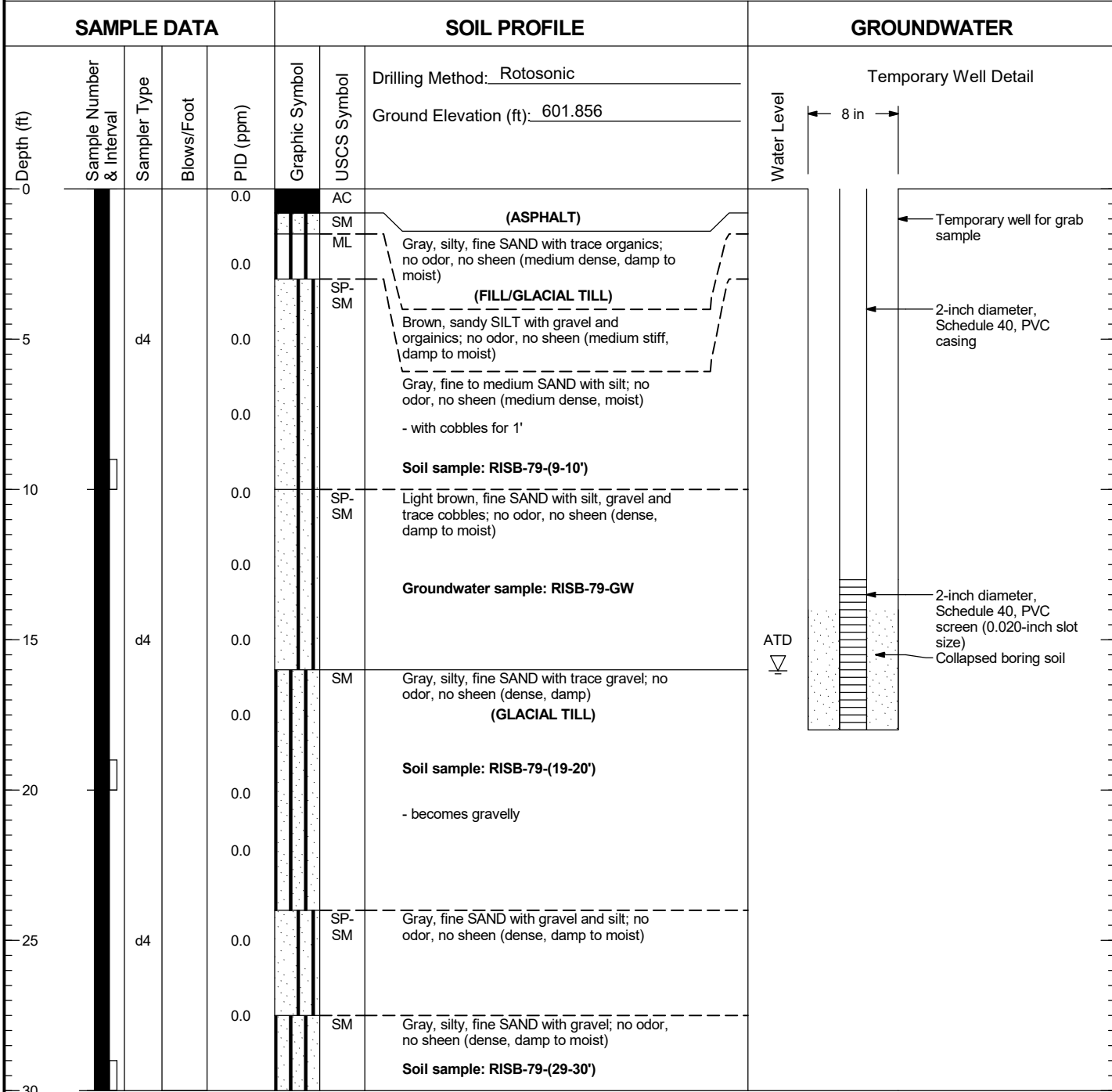
- Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
 2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
 3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057_5/16/23 N:\PROJECTS\0222057.GPJ WELL LOG



TECT Aerospace Leasehold Everett, Washington	Log of Temporary Well RISB-78	Figure 1-12
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RISB-79



Boring Completed 11/29/22
 Total Depth of Boring = 30.0 ft.

- Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
 2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
 3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057. 5/16/23 N:\PROJECTS\0222057.GPJ WELL LOG

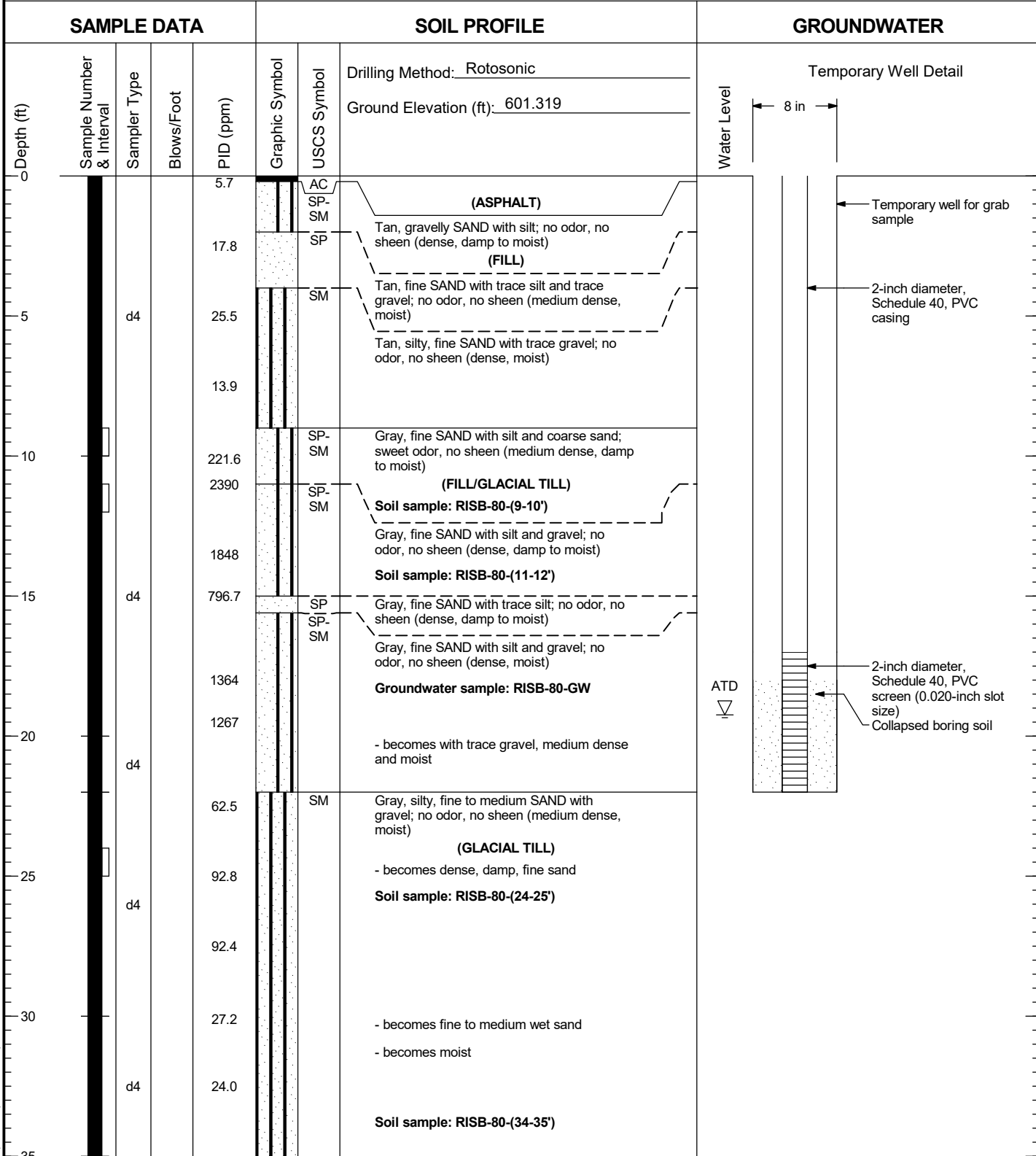


TECT Aerospace Leasehold
 Everett, Washington

Log of Temporary Well
 RISB-79

Figure
1-13

RISB-80



- Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
 2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
 3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057_5/16/23 N:\PROJECTS\0222057.GPJ WELL LOG



TECT Aerospace Leasehold
Everett, Washington

Log of Temporary Well
RISB-80

Figure
1-14
(1 of 2)

RISB-80

SAMPLE DATA			SOIL PROFILE				GROUNDWATER		
Depth (ft)	Sample Number & Interval	Sampler Type	Blows/Foot	PID (ppm)	Graphic Symbol	USCS Symbol	Drilling Method: <u>Rotosonic</u>	Water Level	Temporary Well Detail
	Ground Elevation (ft): <u>601.319</u>								
35	█	d4		9.3	█	SM	Gray, silty, fine to medium SAND with gravel; no odor, no sheen (medium dense, moist)		
40				1.3	█		(GLACIAL TILL) - fine, very silty and damp for 1' - fine, very silty and damp for 1' Soil sample: RISB-80-(39-40')		
45				0.1					

Boring Completed 11/08/22
Total Depth of Boring = 40.0 ft.

- Notes:
1. Stratigraphic contacts are based on field interpretations and are approximate.
 2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
 3. Refer to "Soil Classification System and Key" figure for explanation of graphics and symbols.

222057_5/16/23 N:\PROJECTS\0222057.GPJ WELL LOG



TECT Aerospace Leasehold Everett, Washington	Log of Temporary Well RISB-80	Figure 1-14 (2 of 2)
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Laboratory Analytical Reports



November 21, 2022

Ms. Stephanie Renando
Landau Associates, Inc.
155 NE 100th St, Ste 302
Seattle, WA 98125

Dear Ms. Renando,

On November 9th, 7 samples were received by our laboratory and assigned our laboratory project number EV22110065. The project was identified as your TECT PH3 - 222057.040. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Glen Perry
Laboratory Director



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	11/21/2022
		ALS JOB#:	EV22110065
CLIENT CONTACT:	Stephanie Renando	ALS SAMPLE#:	EV22110065-01
CLIENT PROJECT:	TECT PH3 - 222057.040	DATE RECEIVED:	11/09/2022
CLIENT SAMPLE ID	RISB-80-(9-10')	COLLECTION DATE:	11/8/2022 2:30:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	3.0	1	MG/KG	11/12/2022	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	25	1	MG/KG	11/12/2022	DHM
TPH-Oil Range (C24-C40)	NWTPH-DX	U	50	1	MG/KG	11/12/2022	DHM
Vinyl Chloride	EPA-8260	0.23	0.050	1	UG/KG	11/10/2022	DLC
Chloroethane	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
Carbon Tetrachloride	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
Carbon Disulfide	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
Acetone	EPA-8260	U	50	1	UG/KG	11/10/2022	DLC
1,1-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
Methylene Chloride	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
1,1-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
2-Butanone	EPA-8260	U	50	1	UG/KG	11/10/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	19	1.5	1	UG/KG	11/10/2022	DLC
Chloroform	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
1,2-Dichloroethane	EPA-8260	7.1	1.5	1	UG/KG	11/10/2022	DLC
Benzene	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
Trichloroethene	EPA-8260	3500	33	10	UG/KG	11/11/2022	DLC
1,2-Dichloropropane	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	50	1	UG/KG	11/10/2022	DLC
Toluene	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
2-Hexanone	EPA-8260	U	50	1	UG/KG	11/10/2022	DLC
Tetrachloroethylene	EPA-8260	6.4	1.5	1	UG/KG	11/10/2022	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	11/10/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
Ethylbenzene	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
Isopropylbenzene	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
N-Propyl Benzene	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
S-Butyl Benzene	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
P-Isopropyltoluene	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
Naphthalene	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
Xylenes	EPA-8260	U	20	1	UG/KG	11/10/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	11/21/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110065
CLIENT PROJECT:	TECT PH3 - 222057.040	ALS SAMPLE#:	EV22110065-01
CLIENT SAMPLE ID	RISB-80-(9-10')	DATE RECEIVED:	11/09/2022
		COLLECTION DATE:	11/8/2022 2:30:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Mercury	EPA-7471	0.022	0.020	1	MG/KG	11/15/2022	RAL
Arsenic	EPA-6020	1.7	0.50	1	MG/KG	11/15/2022	RAL
Cadmium	EPA-6020	U	0.50	1	MG/KG	11/15/2022	RAL
Chromium	EPA-6020	34	0.20	1	MG/KG	11/15/2022	RAL
Lead	EPA-6020	2.0	0.50	1	MG/KG	11/15/2022	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	80.5	11/12/2022	KLS
C25	NWTPH-DX	81.5	11/12/2022	DHM
1,2-Dichloroethane-d4	EPA-8260	95.8	11/10/2022	DLC
1,2-Dichloroethane-d4 10X Dilution	EPA-8260	98.7	11/11/2022	DLC
Toluene-d8	EPA-8260	103	11/10/2022	DLC
Toluene-d8 10X Dilution	EPA-8260	101	11/11/2022	DLC
4-Bromofluorobenzene	EPA-8260	99.7	11/10/2022	DLC
4-Bromofluorobenzene 10X Dilution	EPA-8260	99.9	11/11/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	11/21/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110065
CLIENT PROJECT:	TECT PH3 - 222057.040	ALS SAMPLE#:	EV22110065-02
CLIENT SAMPLE ID	RISB-80-(11-12')	DATE RECEIVED:	11/09/2022
		COLLECTION DATE:	11/8/2022 2:40:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	3.0	1	MG/KG	11/12/2022	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	25	1	MG/KG	11/12/2022	DHM
TPH-Oil Range (C24-C40)	NWTPH-DX	U	50	1	MG/KG	11/12/2022	DHM
Vinyl Chloride	EPA-8260	6.4	0.050	1	UG/KG	11/10/2022	DLC
Chloroethane	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
Carbon Tetrachloride	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
Carbon Disulfide	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
Acetone	EPA-8260	U	50	1	UG/KG	11/10/2022	DLC
1,1-Dichloroethene	EPA-8260	6.5	1.5	1	UG/KG	11/10/2022	DLC
Methylene Chloride	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	270	31	1	UG/KG	11/11/2022	DLC
1,1-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
2-Butanone	EPA-8260	U	50	1	UG/KG	11/10/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	1200	33	1	UG/KG	11/11/2022	DLC
Chloroform	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
1,2-Dichloroethane	EPA-8260	150	1.5	1	UG/KG	11/11/2022	DLC
Benzene	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
Trichloroethene	EPA-8260	15000	22	10	UG/KG	11/11/2022	DLC
1,2-Dichloropropane	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	50	1	UG/KG	11/10/2022	DLC
Toluene	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
2-Hexanone	EPA-8260	U	50	1	UG/KG	11/10/2022	DLC
Tetrachloroethylene	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	11/10/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
Ethylbenzene	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
Isopropylbenzene	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
N-Propyl Benzene	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
S-Butyl Benzene	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
P-Isopropyltoluene	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
Naphthalene	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
Xylenes	EPA-8260	U	20	1	UG/KG	11/10/2022	DLC
Mercury	EPA-7471	0.023	0.020	1	MG/KG	11/15/2022	RAL



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	11/21/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110065
CLIENT PROJECT:	TECT PH3 - 222057.040	ALS SAMPLE#:	EV22110065-02
CLIENT SAMPLE ID	RISB-80-(11-12')	DATE RECEIVED:	11/09/2022
		COLLECTION DATE:	11/8/2022 2:40:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Arsenic	EPA-6020	2.8	0.20	1	MG/KG	11/15/2022	RAL
Barium	EPA-6020	68	0.10	1	MG/KG	11/15/2022	RAL
Cadmium	EPA-6020	U	0.10	1	MG/KG	11/15/2022	RAL
Chromium	EPA-6020	31	0.20	1	MG/KG	11/15/2022	RAL
Lead	EPA-6020	2.3	0.10	1	MG/KG	11/15/2022	RAL
Nickel	EPA-6020	47	0.10	1	MG/KG	11/15/2022	RAL
Selenium	EPA-6020	U	1.0	1	MG/KG	11/15/2022	RAL
Silver	EPA-6020	U	0.10	1	MG/KG	11/15/2022	RAL
Zinc	EPA-6020	44	0.50	1	MG/KG	11/15/2022	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	131	11/12/2022	KLS
C25	NWTPH-DX	85.6	11/12/2022	DHM
1,2-Dichloroethane-d4	EPA-8260	96.4	11/10/2022	DLC
1,2-Dichloroethane-d4 10X Dilution	EPA-8260	96.3	11/11/2022	DLC
1,2-Dichloroethane-d4	EPA-8260	93.1	11/11/2022	DLC
Toluene-d8	EPA-8260	107	11/10/2022	DLC
Toluene-d8 10X Dilution	EPA-8260	101	11/11/2022	DLC
Toluene-d8	EPA-8260	99.2	11/11/2022	DLC
4-Bromofluorobenzene	EPA-8260	113	11/10/2022	DLC
4-Bromofluorobenzene 10X Dilution	EPA-8260	101	11/11/2022	DLC
4-Bromofluorobenzene	EPA-8260	99.0	11/11/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	11/21/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110065
CLIENT PROJECT:	TECT PH3 - 222057.040	ALS SAMPLE#:	EV22110065-03
CLIENT SAMPLE ID	DUP-Soil-221108	DATE RECEIVED:	11/09/2022
		COLLECTION DATE:	11/8/2022 2:00:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	3.0	1	MG/KG	11/12/2022	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	25	1	MG/KG	11/12/2022	DHM
TPH-Oil Range (C24-C40)	NWTPH-DX	U	50	1	MG/KG	11/12/2022	DHM
Vinyl Chloride	EPA-8260	0.17	0.050	1	UG/KG	11/10/2022	DLC
Chloroethane	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
Carbon Tetrachloride	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
Carbon Disulfide	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
Acetone	EPA-8260	U	50	1	UG/KG	11/10/2022	DLC
1,1-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
Methylene Chloride	EPA-8260	U	1.9	1	UG/KG	11/10/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
1,1-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
2-Butanone	EPA-8260	U	50	1	UG/KG	11/10/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	6.9	1.5	1	UG/KG	11/10/2022	DLC
Chloroform	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
1,2-Dichloroethane	EPA-8260	4.0	1.5	1	UG/KG	11/10/2022	DLC
Benzene	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
Trichloroethene	EPA-8260	940	3.1	1	UG/KG	11/11/2022	DLC
1,2-Dichloropropane	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	50	1	UG/KG	11/10/2022	DLC
Toluene	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
2-Hexanone	EPA-8260	U	50	1	UG/KG	11/10/2022	DLC
Tetrachloroethylene	EPA-8260	4.9	1.5	1	UG/KG	11/10/2022	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	11/10/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
Ethylbenzene	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
Isopropylbenzene	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
N-Propyl Benzene	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
S-Butyl Benzene	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
P-Isopropyltoluene	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
Naphthalene	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
Xylenes	EPA-8260	U	20	1	UG/KG	11/10/2022	DLC
Mercury	EPA-7471	U	0.020	1	MG/KG	11/15/2022	RAL



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	11/21/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110065
CLIENT PROJECT:	TECT PH3 - 222057.040	ALS SAMPLE#:	EV22110065-03
CLIENT SAMPLE ID	DUP-Soil-221108	DATE RECEIVED:	11/09/2022
		COLLECTION DATE:	11/8/2022 2:00:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Arsenic	EPA-6020	1.7	0.50	1	MG/KG	11/15/2022	RAL
Cadmium	EPA-6020	U	0.50	1	MG/KG	11/15/2022	RAL
Chromium	EPA-6020	29	0.20	1	MG/KG	11/15/2022	RAL
Lead	EPA-6020	1.8	0.50	1	MG/KG	11/15/2022	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	157 SUR09	11/12/2022	KLS
C25	NWTPH-DX	83.9	11/12/2022	DHM
1,2-Dichloroethane-d4	EPA-8260	95.4	11/10/2022	DLC
1,2-Dichloroethane-d4	EPA-8260	96.3	11/11/2022	DLC
Toluene-d8	EPA-8260	102	11/10/2022	DLC
Toluene-d8	EPA-8260	98.8	11/11/2022	DLC
4-Bromofluorobenzene	EPA-8260	98.0	11/10/2022	DLC
4-Bromofluorobenzene	EPA-8260	99.0	11/11/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.

SUR09 -Surrogate recovery was above the upper control limit. No target analytes were detected in the sample. The high surrogate recovery did not impact the non-detect results for target analytes.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	11/21/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110065
CLIENT PROJECT:	TECT PH3 - 222057.040	ALS SAMPLE#:	EV22110065-04
CLIENT SAMPLE ID	Trip Blank-221108	DATE RECEIVED:	11/09/2022
		COLLECTION DATE:	11/8/2022
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Vinyl Chloride	EPA-8260	U	0.020	1	UG/L	11/14/2022	DLC
Chloroethane	EPA-8260	U	2.0	1	UG/L	11/14/2022	DLC
Carbon Tetrachloride	EPA-8260	U	0.50	1	UG/L	11/14/2022	DLC
Carbon Disulfide	EPA-8260	U	2.0	1	UG/L	11/14/2022	DLC
Acetone	EPA-8260	U	25	1	UG/L	11/14/2022	DLC
1,1-Dichloroethene	EPA-8260	U	2.0	1	UG/L	11/14/2022	DLC
Methylene Chloride	EPA-8260	U	5.0	1	UG/L	11/14/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	2.0	1	UG/L	11/14/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	11/14/2022	DLC
1,1-Dichloroethane	EPA-8260	U	2.0	1	UG/L	11/14/2022	DLC
2-Butanone	EPA-8260	U	10	1	UG/L	11/14/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	11/14/2022	DLC
Chloroform	EPA-8260	U	0.50	1	UG/L	11/14/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	2.0	1	UG/L	11/14/2022	DLC
1,2-Dichloroethane	EPA-8260	U	0.020	1	UG/L	11/14/2022	DLC
Benzene	EPA-8260	U	0.50	1	UG/L	11/14/2022	DLC
Trichloroethene	EPA-8260	U	0.50	1	UG/L	11/14/2022	DLC
1,2-Dichloropropane	EPA-8260	U	0.50	1	UG/L	11/14/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	10	1	UG/L	11/14/2022	DLC
Toluene	EPA-8260	U	2.0	1	UG/L	11/14/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	0.50	1	UG/L	11/14/2022	DLC
2-Hexanone	EPA-8260	U	10	1	UG/L	11/14/2022	DLC
Tetrachloroethylene	EPA-8260	U	2.0	1	UG/L	11/14/2022	DLC
1,2-Dibromoethane	EPA-8260	U	0.010	1	UG/L	11/14/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	0.50	1	UG/L	11/14/2022	DLC
Ethylbenzene	EPA-8260	U	2.0	1	UG/L	11/14/2022	DLC
Isopropylbenzene	EPA-8260	U	2.0	1	UG/L	11/14/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	0.50	1	UG/L	11/14/2022	DLC
N-Propyl Benzene	EPA-8260	U	2.0	1	UG/L	11/14/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	11/14/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	11/14/2022	DLC
S-Butyl Benzene	EPA-8260	U	2.0	1	UG/L	11/14/2022	DLC
P-Isopropyltoluene	EPA-8260	U	2.0	1	UG/L	11/14/2022	DLC
Naphthalene	EPA-8260	U	2.0	1	UG/L	11/14/2022	DLC
Xylenes	EPA-8260	U	2.0	1	UG/L	11/14/2022	DLC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
1,2-Dichloroethane-d4	EPA-8260	106	11/14/2022	DLC

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	11/21/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110065
CLIENT PROJECT:	TECT PH3 - 222057.040	ALS SAMPLE#:	EV22110065-04
CLIENT SAMPLE ID	Trip Blank-221108	DATE RECEIVED:	11/09/2022
		COLLECTION DATE:	11/8/2022
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
Toluene-d8	EPA-8260	100	11/14/2022	DLC
4-Bromofluorobenzene	EPA-8260	109	11/14/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	11/21/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110065
CLIENT PROJECT:	TECT PH3 - 222057.040	ALS SAMPLE#:	EV22110065-05
CLIENT SAMPLE ID	RISB-80-(24-25')	DATE RECEIVED:	11/09/2022
		COLLECTION DATE:	11/9/2022 10:15:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	3.0	1	MG/KG	11/12/2022	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	25	1	MG/KG	11/17/2022	DHM
TPH-Oil Range (C24-C40)	NWTPH-DX	U	50	1	MG/KG	11/17/2022	DHM
Vinyl Chloride	EPA-8260	U	0.050	1	UG/KG	11/10/2022	DLC
Chloroethane	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
Carbon Tetrachloride	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
Carbon Disulfide	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
Acetone	EPA-8260	U	50	1	UG/KG	11/10/2022	DLC
1,1-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
Methylene Chloride	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
1,1-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
2-Butanone	EPA-8260	U	50	1	UG/KG	11/10/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	5.5	1.5	1	UG/KG	11/10/2022	DLC
Chloroform	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
1,2-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
Benzene	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
Trichloroethene	EPA-8260	2900	28	10	UG/KG	11/15/2022	DLC
1,2-Dichloropropane	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	50	1	UG/KG	11/10/2022	DLC
Toluene	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
2-Hexanone	EPA-8260	U	50	1	UG/KG	11/10/2022	DLC
Tetrachloroethylene	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	11/10/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
Ethylbenzene	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
Isopropylbenzene	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
N-Propyl Benzene	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
S-Butyl Benzene	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
P-Isopropyltoluene	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
Naphthalene	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
Xylenes	EPA-8260	U	20	1	UG/KG	11/10/2022	DLC
Mercury	EPA-7471	0.021	0.020	1	MG/KG	11/15/2022	RAL

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	11/21/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110065
CLIENT PROJECT:	TECT PH3 - 222057.040	ALS SAMPLE#:	EV22110065-05
CLIENT SAMPLE ID	RISB-80-(24-25')	DATE RECEIVED:	11/09/2022
		COLLECTION DATE:	11/9/2022 10:15:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Arsenic	EPA-6020	3.9	0.50	1	MG/KG	11/15/2022	RAL
Cadmium	EPA-6020	U	0.50	1	MG/KG	11/15/2022	RAL
Chromium	EPA-6020	34	0.20	1	MG/KG	11/15/2022	RAL
Lead	EPA-6020	2.6	0.50	1	MG/KG	11/15/2022	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	78.9	11/12/2022	KLS
C25	NWTPH-DX	89.5	11/17/2022	DHM
1,2-Dichloroethane-d4	EPA-8260	96.2	11/10/2022	DLC
1,2-Dichloroethane-d4 10X Dilution	EPA-8260	97.6	11/15/2022	DLC
Toluene-d8	EPA-8260	103	11/10/2022	DLC
Toluene-d8 10X Dilution	EPA-8260	97.7	11/15/2022	DLC
4-Bromofluorobenzene	EPA-8260	100	11/10/2022	DLC
4-Bromofluorobenzene 10X Dilution	EPA-8260	98.7	11/15/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	11/21/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110065
CLIENT PROJECT:	TECT PH3 - 222057.040	ALS SAMPLE#:	EV22110065-06
CLIENT SAMPLE ID	RISB-80-(34-35')	DATE RECEIVED:	11/09/2022
		COLLECTION DATE:	11/9/2022 11:00:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	3.0	1	MG/KG	11/12/2022	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	25	1	MG/KG	11/17/2022	DHM
TPH-Oil Range (C24-C40)	NWTPH-DX	U	50	1	MG/KG	11/17/2022	DHM
Vinyl Chloride	EPA-8260	U	0.050	1	UG/KG	11/10/2022	DLC
Chloroethane	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
Carbon Tetrachloride	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
Carbon Disulfide	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
Acetone	EPA-8260	U	50	1	UG/KG	11/10/2022	DLC
1,1-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
Methylene Chloride	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
1,1-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
2-Butanone	EPA-8260	U	50	1	UG/KG	11/10/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
Chloroform	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
1,2-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
Benzene	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
Trichloroethene	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
1,2-Dichloropropane	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	50	1	UG/KG	11/10/2022	DLC
Toluene	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
2-Hexanone	EPA-8260	U	50	1	UG/KG	11/10/2022	DLC
Tetrachloroethylene	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	11/10/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
Ethylbenzene	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
Isopropylbenzene	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
N-Propyl Benzene	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
S-Butyl Benzene	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
P-Isopropyltoluene	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
Naphthalene	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
Xylenes	EPA-8260	U	20	1	UG/KG	11/10/2022	DLC
Mercury	EPA-7471	0.027	0.020	1	MG/KG	11/15/2022	RAL

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	11/21/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110065
CLIENT PROJECT:	TECT PH3 - 222057.040	ALS SAMPLE#:	EV22110065-06
CLIENT SAMPLE ID	RISB-80-(34-35')	DATE RECEIVED:	11/09/2022
		COLLECTION DATE:	11/9/2022 11:00:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Arsenic	EPA-6020	3.3	0.50	1	MG/KG	11/15/2022	RAL
Cadmium	EPA-6020	U	0.50	1	MG/KG	11/15/2022	RAL
Chromium	EPA-6020	39	0.20	1	MG/KG	11/15/2022	RAL
Lead	EPA-6020	3.2	0.50	1	MG/KG	11/15/2022	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	81.3	11/12/2022	KLS
C25	NWTPH-DX	91.2	11/17/2022	DHM
1,2-Dichloroethane-d4	EPA-8260	99.1	11/10/2022	DLC
Toluene-d8	EPA-8260	102	11/10/2022	DLC
4-Bromofluorobenzene	EPA-8260	99.7	11/10/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	11/21/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110065
CLIENT PROJECT:	TECT PH3 - 222057.040	ALS SAMPLE#:	EV22110065-07
CLIENT SAMPLE ID	RISB-80-(39-40')	DATE RECEIVED:	11/09/2022
		COLLECTION DATE:	11/9/2022 2:00:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	3.0	1	MG/KG	11/12/2022	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	25	1	MG/KG	11/17/2022	DHM
TPH-Oil Range (C24-C40)	NWTPH-DX	U	50	1	MG/KG	11/17/2022	DHM
Vinyl Chloride	EPA-8260	U	0.050	1	UG/KG	11/10/2022	DLC
Chloroethane	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
Carbon Tetrachloride	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
Carbon Disulfide	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
Acetone	EPA-8260	U	50	1	UG/KG	11/10/2022	DLC
1,1-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
Methylene Chloride	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
1,1-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
2-Butanone	EPA-8260	U	50	1	UG/KG	11/10/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
Chloroform	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
1,2-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
Benzene	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
Trichloroethene	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
1,2-Dichloropropane	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	50	1	UG/KG	11/10/2022	DLC
Toluene	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
2-Hexanone	EPA-8260	U	50	1	UG/KG	11/10/2022	DLC
Tetrachloroethylene	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	11/10/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
Ethylbenzene	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
Isopropylbenzene	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	1.5	1	UG/KG	11/10/2022	DLC
N-Propyl Benzene	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
S-Butyl Benzene	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
P-Isopropyltoluene	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
Naphthalene	EPA-8260	U	10	1	UG/KG	11/10/2022	DLC
Xylenes	EPA-8260	U	20	1	UG/KG	11/10/2022	DLC
Mercury	EPA-7471	0.022	0.020	1	MG/KG	11/15/2022	RAL

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	11/21/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110065
CLIENT PROJECT:	TECT PH3 - 222057.040	ALS SAMPLE#:	EV22110065-07
CLIENT SAMPLE ID	RISB-80-(39-40')	DATE RECEIVED:	11/09/2022
		COLLECTION DATE:	11/9/2022 2:00:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Arsenic	EPA-6020	2.9	0.50	1	MG/KG	11/15/2022	RAL
Cadmium	EPA-6020	U	0.50	1	MG/KG	11/15/2022	RAL
Chromium	EPA-6020	35	0.20	1	MG/KG	11/15/2022	RAL
Lead	EPA-6020	2.4	0.50	1	MG/KG	11/15/2022	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	74.9	11/12/2022	KLS
C25	NWTPH-DX	83.4	11/17/2022	DHM
1,2-Dichloroethane-d4	EPA-8260	98.1	11/10/2022	DLC
Toluene-d8	EPA-8260	102	11/10/2022	DLC
4-Bromofluorobenzene	EPA-8260	101	11/10/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	11/21/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110065
CLIENT PROJECT:	TECT PH3 - 222057.040	WDOE ACCREDITATION:	C601

LABORATORY BLANK RESULTS

MBG-111122S - Batch 186169 - Soil by NWTPH-GX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	MG/KG	3.0	11/11/2022	KLS

U - Analyte analyzed for but not detected at level above reporting limit.

MB-111122S - Batch 186233 - Soil by NWTPH-DX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	MG/KG	25	11/16/2022	DHM
TPH-Oil Range (C24-C40)	NWTPH-DX	U	MG/KG	50	11/16/2022	DHM

U - Analyte analyzed for but not detected at level above reporting limit.

MB-111722S - Batch 186407 - Soil by NWTPH-DX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	MG/KG	25	11/17/2022	DHM
TPH-Oil Range (C24-C40)	NWTPH-DX	U	MG/KG	50	11/17/2022	DHM

U - Analyte analyzed for but not detected at level above reporting limit.

MB-111022S - Batch 186255 - Soil by EPA-8260

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Vinyl Chloride	EPA-8260	U	UG/KG	0.050	11/10/2022	DLC
Chloroethane	EPA-8260	U	UG/KG	10	11/10/2022	DLC
Carbon Tetrachloride	EPA-8260	U	UG/KG	1.5	11/10/2022	DLC
Carbon Disulfide	EPA-8260	U	UG/KG	10	11/10/2022	DLC
Acetone	EPA-8260	U	UG/KG	50	11/10/2022	DLC
1,1-Dichloroethene	EPA-8260	U	UG/KG	1.5	11/10/2022	DLC
Methylene Chloride	EPA-8260	U	UG/KG	2.3	11/10/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	UG/KG	1.5	11/10/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	UG/KG	10	11/10/2022	DLC
1,1-Dichloroethane	EPA-8260	U	UG/KG	1.5	11/10/2022	DLC
2-Butanone	EPA-8260	U	UG/KG	50	11/10/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	UG/KG	1.5	11/10/2022	DLC
Chloroform	EPA-8260	U	UG/KG	1.5	11/10/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	UG/KG	10	11/10/2022	DLC
1,2-Dichloroethane	EPA-8260	U	UG/KG	1.5	11/10/2022	DLC
Benzene	EPA-8260	U	UG/KG	1.5	11/10/2022	DLC
Trichloroethene	EPA-8260	U	UG/KG	1.5	11/10/2022	DLC
1,2-Dichloropropane	EPA-8260	U	UG/KG	1.5	11/10/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	11/21/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110065
CLIENT PROJECT:	TECT PH3 - 222057.040	WDOE ACCREDITATION:	C601

LABORATORY BLANK RESULTS

MB-111022S - Batch 186255 - Soil by EPA-8260

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
4-Methyl-2-Pentanone	EPA-8260	U	UG/KG	50	11/10/2022	DLC
Toluene	EPA-8260	U	UG/KG	10	11/10/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	UG/KG	1.5	11/10/2022	DLC
2-Hexanone	EPA-8260	U	UG/KG	50	11/10/2022	DLC
Tetrachloroethylene	EPA-8260	U	UG/KG	1.5	11/10/2022	DLC
1,2-Dibromoethane	EPA-8260	U	UG/KG	5.0	11/10/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	UG/KG	10	11/10/2022	DLC
Ethylbenzene	EPA-8260	U	UG/KG	10	11/10/2022	DLC
Isopropylbenzene	EPA-8260	U	UG/KG	10	11/10/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	UG/KG	1.5	11/10/2022	DLC
N-Propyl Benzene	EPA-8260	U	UG/KG	10	11/10/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	UG/KG	10	11/10/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	UG/KG	10	11/10/2022	DLC
S-Butyl Benzene	EPA-8260	U	UG/KG	10	11/10/2022	DLC
P-Isopropyltoluene	EPA-8260	U	UG/KG	10	11/10/2022	DLC
Naphthalene	EPA-8260	U	UG/KG	10	11/10/2022	DLC
Xylenes	EPA-8260	U	UG/KG	20	11/10/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.

MB-111422W - Batch 186283 - Water by EPA-8260

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Vinyl Chloride	EPA-8260	U	UG/L	0.020	11/14/2022	DLC
Chloroethane	EPA-8260	U	UG/L	2.0	11/14/2022	DLC
Carbon Tetrachloride	EPA-8260	U	UG/L	0.50	11/14/2022	DLC
Carbon Disulfide	EPA-8260	U	UG/L	2.0	11/14/2022	DLC
Acetone	EPA-8260	U	UG/L	25	11/14/2022	DLC
1,1-Dichloroethene	EPA-8260	U	UG/L	2.0	11/14/2022	DLC
Methylene Chloride	EPA-8260	U	UG/L	5.0	11/14/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	UG/L	2.0	11/14/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	UG/L	2.0	11/14/2022	DLC
1,1-Dichloroethane	EPA-8260	U	UG/L	2.0	11/14/2022	DLC
2-Butanone	EPA-8260	U	UG/L	10	11/14/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	UG/L	2.0	11/14/2022	DLC
Chloroform	EPA-8260	U	UG/L	0.50	11/14/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	UG/L	2.0	11/14/2022	DLC
1,2-Dichloroethane	EPA-8260	U	UG/L	0.020	11/14/2022	DLC
Benzene	EPA-8260	U	UG/L	0.50	11/14/2022	DLC
Trichloroethene	EPA-8260	U	UG/L	0.50	11/14/2022	DLC
1,2-Dichloropropane	EPA-8260	U	UG/L	0.50	11/14/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	UG/L	10	11/14/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	11/21/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110065
CLIENT PROJECT:	TECT PH3 - 222057.040	WDOE ACCREDITATION:	C601

LABORATORY BLANK RESULTS

MB-111422W - Batch 186283 - Water by EPA-8260

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Toluene	EPA-8260	U	UG/L	2.0	11/14/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	UG/L	0.50	11/14/2022	DLC
2-Hexanone	EPA-8260	U	UG/L	10	11/14/2022	DLC
Tetrachloroethylene	EPA-8260	U	UG/L	2.0	11/14/2022	DLC
1,2-Dibromoethane	EPA-8260	U	UG/L	0.010	11/14/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	UG/L	0.50	11/14/2022	DLC
Ethylbenzene	EPA-8260	U	UG/L	2.0	11/14/2022	DLC
Isopropylbenzene	EPA-8260	U	UG/L	2.0	11/14/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	UG/L	0.50	11/14/2022	DLC
N-Propyl Benzene	EPA-8260	U	UG/L	2.0	11/14/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	UG/L	2.0	11/14/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	UG/L	2.0	11/14/2022	DLC
S-Butyl Benzene	EPA-8260	U	UG/L	2.0	11/14/2022	DLC
P-Isopropyltoluene	EPA-8260	U	UG/L	2.0	11/14/2022	DLC
Naphthalene	EPA-8260	U	UG/L	2.0	11/14/2022	DLC
Xylenes	EPA-8260	U	UG/L	2.0	11/14/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.

MBLK-R421989 - Batch R421989 - Soil by EPA-7471

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Mercury	EPA-7471	U	MG/KG	0.020	11/15/2022	RAL

U - Analyte analyzed for but not detected at level above reporting limit.

MB-111522S - Batch 186240 - Soil by EPA-6020

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Arsenic	EPA-6020	U	MG/KG	0.20	11/15/2022	RAL
Barium	EPA-6020	U	MG/KG	0.12	11/15/2022	RAL
Cadmium	EPA-6020	U	MG/KG	0.10	11/15/2022	RAL
Chromium	EPA-6020	U	MG/KG	0.20	11/15/2022	RAL
Lead	EPA-6020	U	MG/KG	0.10	11/15/2022	RAL
Nickel	EPA-6020	U	MG/KG	0.10	11/15/2022	RAL
Selenium	EPA-6020	U	MG/KG	1.0	11/15/2022	RAL
Silver	EPA-6020	U	MG/KG	0.10	11/15/2022	RAL
Zinc	EPA-6020	U	MG/KG	0.88	11/15/2022	RAL

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	11/21/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110065
CLIENT PROJECT:	TECT PH3 - 222057.040	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 186169 - Soil by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Volatile Range (C5-C12) - BS	NWTPH-GX	101			66.5	122.7	11/11/2022	KLS
TPH-Volatile Range (C5-C12) - BSD	NWTPH-GX	99.2	2		66.5	122.7	11/11/2022	KLS

ALS Test Batch ID: 186233 - Soil by NWTPH-DX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Diesel Range (C12-C24) - BS	NWTPH-DX	94.2			75.5	122.1	11/11/2022	DHM
TPH-Diesel Range (C12-C24) - BSD	NWTPH-DX	89.9	5		75.5	122.1	11/11/2022	DHM

ALS Test Batch ID: 186407 - Soil by NWTPH-DX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Diesel Range (C12-C24) - BS	NWTPH-DX	107			75.5	122.1	11/17/2022	DHM
TPH-Diesel Range (C12-C24) - BSD	NWTPH-DX	109	3		75.5	122.1	11/17/2022	DHM

ALS Test Batch ID: 186255 - Soil by EPA-8260

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Vinyl Chloride - BS	EPA-8260	95.7			50	150	11/10/2022	DLC
Vinyl Chloride - BSD	EPA-8260	80.9	17		50	150	11/10/2022	DLC
Chloroethane - BS	EPA-8260	94.9			50	150	11/10/2022	DLC
Chloroethane - BSD	EPA-8260	82.1	14		50	150	11/10/2022	DLC
Carbon Tetrachloride - BS	EPA-8260	103			50	150	11/10/2022	DLC
Carbon Tetrachloride - BSD	EPA-8260	97.1	6		50	150	11/10/2022	DLC
Carbon Disulfide - BS	EPA-8260	94.7			50	150	11/10/2022	DLC
Carbon Disulfide - BSD	EPA-8260	81.8	15		50	150	11/10/2022	DLC
Acetone - BS	EPA-8260	97.2			50	150	11/10/2022	DLC
Acetone - BSD	EPA-8260	80.2	19		50	150	11/10/2022	DLC
1,1-Dichloroethene - BS	EPA-8260	97.3			70	130	11/10/2022	DLC
1,1-Dichloroethene - BSD	EPA-8260	84.5	14		70	130	11/10/2022	DLC
Methylene Chloride - BS	EPA-8260	104			50	150	11/10/2022	DLC
Methylene Chloride - BSD	EPA-8260	87.6	17		50	150	11/10/2022	DLC
Methyl T-Butyl Ether - BS	EPA-8260	101			50	150	11/10/2022	DLC
Methyl T-Butyl Ether - BSD	EPA-8260	94.8	6		50	150	11/10/2022	DLC
Trans-1,2-Dichloroethene - BS	EPA-8260	99.8			50	150	11/10/2022	DLC
Trans-1,2-Dichloroethene - BSD	EPA-8260	91.2	9		50	150	11/10/2022	DLC
1,1-Dichloroethane - BS	EPA-8260	100			50	150	11/10/2022	DLC
1,1-Dichloroethane - BSD	EPA-8260	92.9	7		50	150	11/10/2022	DLC
2-Butanone - BS	EPA-8260	98.7			50	150	11/10/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	11/21/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110065
CLIENT PROJECT:	TECT PH3 - 222057.040	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
2-Butanone - BSD	EPA-8260	88.3	11		50	150	11/10/2022	DLC
Cis-1,2-Dichloroethene - BS	EPA-8260	99.9			50	150	11/10/2022	DLC
Cis-1,2-Dichloroethene - BSD	EPA-8260	94.2	6		50	150	11/10/2022	DLC
Chloroform - BS	EPA-8260	97.2			50	150	11/10/2022	DLC
Chloroform - BSD	EPA-8260	91.7	6		50	150	11/10/2022	DLC
1,1,1-Trichloroethane - BS	EPA-8260	100			50	150	11/10/2022	DLC
1,1,1-Trichloroethane - BSD	EPA-8260	96.4	4		50	150	11/10/2022	DLC
1,2-Dichloroethane - BS	EPA-8260	99.3			50	150	11/10/2022	DLC
1,2-Dichloroethane - BSD	EPA-8260	93.0	7		50	150	11/10/2022	DLC
Benzene - BS	EPA-8260	92.7			75	138	11/10/2022	DLC
Benzene - BSD	EPA-8260	86.4	7		75	138	11/10/2022	DLC
Trichloroethene - BS	EPA-8260	96.5			75	136	11/10/2022	DLC
Trichloroethene - BSD	EPA-8260	88.5	9		75	136	11/10/2022	DLC
1,2-Dichloropropane - BS	EPA-8260	96.7			50	150	11/10/2022	DLC
1,2-Dichloropropane - BSD	EPA-8260	92.6	4		50	150	11/10/2022	DLC
4-Methyl-2-Pentanone - BS	EPA-8260	99.4			50	150	11/10/2022	DLC
4-Methyl-2-Pentanone - BSD	EPA-8260	94.4	5		50	150	11/10/2022	DLC
Toluene - BS	EPA-8260	93.7			71.6	122.1	11/10/2022	DLC
Toluene - BSD	EPA-8260	90.1	4		71.6	122.1	11/10/2022	DLC
1,1,2-Trichloroethane - BS	EPA-8260	102			50	150	11/10/2022	DLC
1,1,2-Trichloroethane - BSD	EPA-8260	96.3	6		50	150	11/10/2022	DLC
2-Hexanone - BS	EPA-8260	103			50	150	11/10/2022	DLC
2-Hexanone - BSD	EPA-8260	96.1	7		50	150	11/10/2022	DLC
Tetrachloroethylene - BS	EPA-8260	115			50	150	11/10/2022	DLC
Tetrachloroethylene - BSD	EPA-8260	108	6		50	150	11/10/2022	DLC
1,2-Dibromoethane - BS	EPA-8260	106			50	150	11/10/2022	DLC
1,2-Dibromoethane - BSD	EPA-8260	98.7	7		50	150	11/10/2022	DLC
1,1,1,2-Tetrachloroethane - BS	EPA-8260	106			50	150	11/10/2022	DLC
1,1,1,2-Tetrachloroethane - BSD	EPA-8260	105	1		50	150	11/10/2022	DLC
Ethylbenzene - BS	EPA-8260	100			50	150	11/10/2022	DLC
Ethylbenzene - BSD	EPA-8260	94.0	6		50	150	11/10/2022	DLC
Isopropylbenzene - BS	EPA-8260	101			50	150	11/10/2022	DLC
Isopropylbenzene - BSD	EPA-8260	96.9	4		50	150	11/10/2022	DLC
1,1,2,2-Tetrachloroethane - BS	EPA-8260	99.9			50	150	11/10/2022	DLC
1,1,2,2-Tetrachloroethane - BSD	EPA-8260	89.9	11		50	150	11/10/2022	DLC
N-Propyl Benzene - BS	EPA-8260	93.5			50	150	11/10/2022	DLC
N-Propyl Benzene - BSD	EPA-8260	86.4	8		50	150	11/10/2022	DLC
1,3,5-Trimethylbenzene - BS	EPA-8260	96.3			50	150	11/10/2022	DLC
1,3,5-Trimethylbenzene - BSD	EPA-8260	90.8	6		50	150	11/10/2022	DLC
1,2,4-Trimethylbenzene - BS	EPA-8260	94.5			50	150	11/10/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	11/21/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110065
CLIENT PROJECT:	TECT PH3 - 222057.040	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
1,2,4-Trimethylbenzene - BSD	EPA-8260	88.8	6		50	150	11/10/2022	DLC
S-Butyl Benzene - BS	EPA-8260	96.3			50	150	11/10/2022	DLC
S-Butyl Benzene - BSD	EPA-8260	89.3	7		50	150	11/10/2022	DLC
P-Isopropyltoluene - BS	EPA-8260	96.1			50	150	11/10/2022	DLC
P-Isopropyltoluene - BSD	EPA-8260	91.3	5		50	150	11/10/2022	DLC
Naphthalene - BS	EPA-8260	98.2			50	150	11/10/2022	DLC
Naphthalene - BSD	EPA-8260	91.9	7		50	150	11/10/2022	DLC

ALS Test Batch ID: 186283 - Water by EPA-8260

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Vinyl Chloride - BS	EPA-8260	107			50	150	11/14/2022	DLC
Vinyl Chloride - BSD	EPA-8260	112	5		50	150	11/14/2022	DLC
Chloroethane - BS	EPA-8260	107			50	150	11/14/2022	DLC
Chloroethane - BSD	EPA-8260	112	4		50	150	11/14/2022	DLC
Carbon Tetrachloride - BS	EPA-8260	116			50	150	11/14/2022	DLC
Carbon Tetrachloride - BSD	EPA-8260	122	5		50	150	11/14/2022	DLC
Carbon Disulfide - BS	EPA-8260	106			50	150	11/14/2022	DLC
Carbon Disulfide - BSD	EPA-8260	112	5		50	150	11/14/2022	DLC
Acetone - BS	EPA-8260	105			50	150	11/14/2022	DLC
Acetone - BSD	EPA-8260	139	28	SR1	50	150	11/14/2022	DLC
1,1-Dichloroethene - BS	EPA-8260	109			72.5	136	11/14/2022	DLC
1,1-Dichloroethene - BSD	EPA-8260	115	5		72.5	136	11/14/2022	DLC
Methylene Chloride - BS	EPA-8260	93.5			50	150	11/14/2022	DLC
Methylene Chloride - BSD	EPA-8260	97.9	5		50	150	11/14/2022	DLC
Methyl T-Butyl Ether - BS	EPA-8260	105			50	150	11/14/2022	DLC
Methyl T-Butyl Ether - BSD	EPA-8260	110	4		50	150	11/14/2022	DLC
Trans-1,2-Dichloroethene - BS	EPA-8260	107			50	150	11/14/2022	DLC
Trans-1,2-Dichloroethene - BSD	EPA-8260	113	5		50	150	11/14/2022	DLC
1,1-Dichloroethane - BS	EPA-8260	106			50	150	11/14/2022	DLC
1,1-Dichloroethane - BSD	EPA-8260	112	5		50	150	11/14/2022	DLC
2-Butanone - BS	EPA-8260	114			50	150	11/14/2022	DLC
2-Butanone - BSD	EPA-8260	133	16		50	150	11/14/2022	DLC
Cis-1,2-Dichloroethene - BS	EPA-8260	106			50	150	11/14/2022	DLC
Cis-1,2-Dichloroethene - BSD	EPA-8260	111	5		50	150	11/14/2022	DLC
Chloroform - BS	EPA-8260	110			50	150	11/14/2022	DLC
Chloroform - BSD	EPA-8260	115	5		50	150	11/14/2022	DLC
1,1,1-Trichloroethane - BS	EPA-8260	110			50	150	11/14/2022	DLC
1,1,1-Trichloroethane - BSD	EPA-8260	116	5		50	150	11/14/2022	DLC
1,2-Dichloroethane - BS	EPA-8260	105			50	150	11/14/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT: Landau Associates, Inc.
155 NE 100th St, Ste 302
Seattle, WA 98125

DATE: 11/21/2022
ALS SDG#: EV22110065
WDOE ACCREDITATION: C601

CLIENT CONTACT: Stephanie Renando
CLIENT PROJECT: TECT PH3 - 222057.040

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
1,2-Dichloroethane - BSD	EPA-8260	110	5		50	150	11/14/2022	DLC
Benzene - BS	EPA-8260	103			74.7	143	11/14/2022	DLC
Benzene - BSD	EPA-8260	109	6		74.7	143	11/14/2022	DLC
Trichloroethene - BS	EPA-8260	105			74.4	141	11/14/2022	DLC
Trichloroethene - BSD	EPA-8260	114	8		74.4	141	11/14/2022	DLC
1,2-Dichloropropane - BS	EPA-8260	108			50	150	11/14/2022	DLC
1,2-Dichloropropane - BSD	EPA-8260	114	5		50	150	11/14/2022	DLC
4-Methyl-2-Pentanone - BS	EPA-8260	96.9			50	150	11/14/2022	DLC
4-Methyl-2-Pentanone - BSD	EPA-8260	103	6		50	150	11/14/2022	DLC
Toluene - BS	EPA-8260	107			71.7	139	11/14/2022	DLC
Toluene - BSD	EPA-8260	113	5		71.7	139	11/14/2022	DLC
1,1,2-Trichloroethane - BS	EPA-8260	105			50	150	11/14/2022	DLC
1,1,2-Trichloroethane - BSD	EPA-8260	110	5		50	150	11/14/2022	DLC
2-Hexanone - BS	EPA-8260	100			50	150	11/14/2022	DLC
2-Hexanone - BSD	EPA-8260	117	15		50	150	11/14/2022	DLC
Tetrachloroethylene - BS	EPA-8260	104			50	150	11/14/2022	DLC
Tetrachloroethylene - BSD	EPA-8260	134	25	SR1	50	150	11/14/2022	DLC
1,2-Dibromoethane - BS	EPA-8260	99.2			50	150	11/14/2022	DLC
1,2-Dibromoethane - BSD	EPA-8260	105	5		50	150	11/14/2022	DLC
1,1,1,2-Tetrachloroethane - BS	EPA-8260	105			50	150	11/14/2022	DLC
1,1,1,2-Tetrachloroethane - BSD	EPA-8260	111	6		50	150	11/14/2022	DLC
Ethylbenzene - BS	EPA-8260	106			50	150	11/14/2022	DLC
Ethylbenzene - BSD	EPA-8260	113	6		50	150	11/14/2022	DLC
Isopropylbenzene - BS	EPA-8260	106			50	150	11/14/2022	DLC
Isopropylbenzene - BSD	EPA-8260	114	7		50	150	11/14/2022	DLC
1,1,2,2-Tetrachloroethane - BS	EPA-8260	104			50	150	11/14/2022	DLC
1,1,2,2-Tetrachloroethane - BSD	EPA-8260	107	2		50	150	11/14/2022	DLC
N-Propyl Benzene - BS	EPA-8260	106			50	150	11/14/2022	DLC
N-Propyl Benzene - BSD	EPA-8260	114	8		50	150	11/14/2022	DLC
1,3,5-Trimethylbenzene - BS	EPA-8260	108			50	150	11/14/2022	DLC
1,3,5-Trimethylbenzene - BSD	EPA-8260	116	7		50	150	11/14/2022	DLC
1,2,4-Trimethylbenzene - BS	EPA-8260	111			50	150	11/14/2022	DLC
1,2,4-Trimethylbenzene - BSD	EPA-8260	120	8		50	150	11/14/2022	DLC
S-Butyl Benzene - BS	EPA-8260	106			50	150	11/14/2022	DLC
S-Butyl Benzene - BSD	EPA-8260	115	8		50	150	11/14/2022	DLC
P-Isopropyltoluene - BS	EPA-8260	107			50	150	11/14/2022	DLC
P-Isopropyltoluene - BSD	EPA-8260	117	9		50	150	11/14/2022	DLC
Naphthalene - BS	EPA-8260	92.1			50	150	11/14/2022	DLC
Naphthalene - BSD	EPA-8260	100	8		50	150	11/14/2022	DLC
Xylenes - BS	EPA-8260	105			50	150	11/14/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	11/21/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110065
CLIENT PROJECT:	TECT PH3 - 222057.040	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Xylenes - BSD	EPA-8260	112	6		50	150	11/14/2022	DLC

SR1 - RPD outside of control limits.

ALS Test Batch ID: R421989 - Soil by EPA-7471

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Mercury - BS	EPA-7471	105			81.8	117	11/15/2022	RAL
Mercury - BSD	EPA-7471	105	0		81.8	117	11/15/2022	RAL

ALS Test Batch ID: 186240 - Soil by EPA-6020

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Arsenic - BS	EPA-6020	101			80	120	11/15/2022	RAL
Arsenic - BSD	EPA-6020	104	3		80	120	11/15/2022	RAL
Barium - BS	EPA-6020	101			80	120	11/15/2022	RAL
Barium - BSD	EPA-6020	104	4		80	120	11/15/2022	RAL
Cadmium - BS	EPA-6020	106			80	120	11/15/2022	RAL
Cadmium - BSD	EPA-6020	109	3		80	120	11/15/2022	RAL
Chromium - BS	EPA-6020	102			80	120	11/15/2022	RAL
Chromium - BSD	EPA-6020	104	2		80	120	11/15/2022	RAL
Lead - BS	EPA-6020	99.9			80	120	11/15/2022	RAL
Lead - BSD	EPA-6020	103	3		80	120	11/15/2022	RAL
Nickel - BS	EPA-6020	106			80	120	11/15/2022	RAL
Nickel - BSD	EPA-6020	109	4		80	120	11/15/2022	RAL
Selenium - BS	EPA-6020	99.7			80	120	11/15/2022	RAL
Selenium - BSD	EPA-6020	102	2		80	120	11/15/2022	RAL
Silver - BS	EPA-6020	108			80	120	11/15/2022	RAL
Silver - BSD	EPA-6020	112	4		80	120	11/15/2022	RAL
Zinc - BS	EPA-6020	104			80	119	11/15/2022	RAL
Zinc - BSD	EPA-6020	108	4		80	119	11/15/2022	RAL

APPROVED BY

Laboratory Director

EV22110065

Soil marked up by S. Renando on 11/10/22



Chain-of-Custody Record

- North Seattle (206) 631-8660
- Tacoma (253) 926-2493
- Olympia (360) 791-3178

- Spokane (509) 327-9737
- Portland (503) 542-1080
- _____

Date 11/8/22
Page 1 of 1

Turnaround Time:
Standard
Accelerated _____

Project Name TECT PH3 Project No. 222057.040

Project Location/Event Ewington, WA / Phase III

Sampler's Name DSB/KVP

Project Contact Stephen Renando

Send Results To S. Renando, Jerry Ninkovic & Dani Jorgensen

Testing Parameters

VOCs (8260)
 NMTPH-Dx/PRO
 NMTPH-GX
 Metals (6020A)
 TOC (DHI29-05.11)
 Grain Size
 PID Readings

Special Handling Requirements: _____

Shipment Method: _____

Stored on ice: Yes No

Observations/Comments

1
2
3
4
5
6
7

Sample I.D.	Date	Time	Matrix	No. of Containers	VOCs (8260)	NMTPH-Dx/PRO	NMTPH-GX	Metals (6020A)	TOC (DHI29-05.11)	Grain Size	PID Readings
RISB-80-(9-10')	11/8/22	1430	Soil	5	X	X	X	X			90.2
RISB-80-(11-12')	↓	1440	↓	5	X	X	X	X			23.0
DUP-Soil-221108	↓	1400	↓	5	X	X	X	X			
Tri-Bk-221108	-	-	AQ	2	X						
RISB-80-(24-25')	11/9/22	1015	Soil	5	X	X	X	X			112.5
RISB-80-(34-35')	11/9/22	1100	↓	5	X	X	X	X			32.3
RISB-80-(39-40')	11/9/22	1400	↓	5	X	X	X	X			0.1

- Allow water samples to settle, collect aliquot from clear portion
- NMTPH-Dx - Acid wash cleanup
- Silica gel cleanup
- Dissolved metal samples were field filtered

Other ~~Arsenic, Cadmium, Chromium, Lead, Mercury, Nickel, Zinc~~

* Arsenic, barium, cadmium, chromium, lead, selenium, silver, mercury, nickel, zinc (6021A/7471A) for RISB-80-(11-12')

* for all other metals samples; Arsenic, Cadmium, Chromium, Lead, mercury (6021A/7471A)

Relinquished by
Signature [Signature]
Printed Name Drew Brandt
Company LHI
Date 11/9/22 Time 1631

Received by
Signature [Signature]
Printed Name Max Chr - off. 1
Company PLS
Date 11/11/22 Time 16:01

Relinquished by
Signature _____
Printed Name _____
Company _____
Date _____ Time _____

Received by
Signature _____
Printed Name _____
Company _____
Date _____ Time _____

ALS ENVIRONMENTAL

Sample Receiving Checklist

Client: Landau Associates

ALS Job #: Ev22110065

Project: Tect Ph 3

Received Date: 11-9-22 Received Time: 4:55 By: MH

Type of shipping container: Cooler Box Other

Shipped via: FedEx Ground UPS Mail Courier Hand Delivered
FedEx Express ALS

	Yes	No	N/A
Were custody seals on outside of shipping container?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
If yes, how many? _____ Where? _____			
Custody seal date: _____ Seal name: _____			

Was Chain of Custody properly filled out (ink, signed, dated, etc.)?

Did all bottles have labels?

Did all bottle labels and tags agree with Chain of Custody?

Were samples received within hold time?

Did all bottles arrive in good condition (unbroken, etc.)?

Was sufficient amount of sample sent for the tests indicated?

Was correct preservation added to samples?

If no, Sample Control added preservative to the following:

Sample Number	Reagent	Analyte
_____	_____	_____
_____	_____	_____
_____	_____	_____

6 low kits used
6 high kits Returned

Were VOA vials checked for absence of air bubbles?
Bubbles present in sample #: None

Temperature of cooler upon receipt: 5.0°C Ice Cold Cool Ambient N/A

Explain any discrepancies: _____

Was client contacted? _____ Who was called? _____ By whom? _____ Date: _____

Outcome of call: _____



December 1, 2022

Ms. Stephanie Renando
Landau Associates, Inc.
155 NE 100th St, Ste 302
Seattle, WA 98125

Dear Ms. Renando,

On November 9th, 2 samples were received by our laboratory and assigned our laboratory project number EV22110066. The project was identified as your TECT - 222057.040. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Glen Perry
Laboratory Director



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/1/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110066
CLIENT PROJECT:	TECT - 222057.040	ALS SAMPLE#:	EV22110066-01
CLIENT SAMPLE ID	RISB-80-GW-221108	DATE RECEIVED:	11/09/2022
		COLLECTION DATE:	11/8/2022 3:15:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	50	1	UG/L	11/15/2022	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX	350	130	1	UG/L	11/14/2022	DHM
TPH-Oil Range (C24-C40)	NWTPH-DX	U	250	1	UG/L	11/14/2022	DHM
Vinyl Chloride	EPA-8260	9.8	0.020	1	UG/L	11/14/2022	DLC
Chloroethane	EPA-8260	U	2.0	1	UG/L	11/14/2022	DLC
Carbon Tetrachloride	EPA-8260	U	0.50	1	UG/L	11/14/2022	DLC
Carbon Disulfide	EPA-8260	U	2.0	1	UG/L	11/14/2022	DLC
Acetone	EPA-8260	U	25	1	UG/L	11/14/2022	DLC
1,1-Dichloroethene	EPA-8260	3.9	2.0	1	UG/L	11/14/2022	DLC
Methylene Chloride	EPA-8260	U	5.0	1	UG/L	11/14/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	2.0	1	UG/L	11/14/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	37	2.0	1	UG/L	11/14/2022	DLC
1,1-Dichloroethane	EPA-8260	U	2.0	1	UG/L	11/14/2022	DLC
2-Butanone	EPA-8260	U	10	1	UG/L	11/14/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	650	100	50	UG/L	11/18/2022	DLC
Chloroform	EPA-8260	U	0.50	1	UG/L	11/14/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	2.0	1	UG/L	11/14/2022	DLC
1,2-Dichloroethane	EPA-8260	270	1.0	50	UG/L	11/18/2022	DLC
Benzene	EPA-8260	U	0.50	1	UG/L	11/14/2022	DLC
Trichloroethene	EPA-8260	1200	25	50	UG/L	11/18/2022	DLC
1,2-Dichloropropane	EPA-8260	1.0	0.50	1	UG/L	11/14/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	10	1	UG/L	11/14/2022	DLC
Toluene	EPA-8260	U	2.0	1	UG/L	11/14/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	0.50	1	UG/L	11/14/2022	DLC
2-Hexanone	EPA-8260	U	10	1	UG/L	11/14/2022	DLC
Tetrachloroethylene	EPA-8260	U	2.0	1	UG/L	11/14/2022	DLC
1,2-Dibromoethane	EPA-8260	U	0.010	1	UG/L	11/14/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	0.50	1	UG/L	11/14/2022	DLC
Ethylbenzene	EPA-8260	U	2.0	1	UG/L	11/14/2022	DLC
Isopropylbenzene	EPA-8260	U	2.0	1	UG/L	11/14/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	0.50	1	UG/L	11/14/2022	DLC
N-Propyl Benzene	EPA-8260	U	2.0	1	UG/L	11/14/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	11/14/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	11/14/2022	DLC
S-Butyl Benzene	EPA-8260	U	2.0	1	UG/L	11/14/2022	DLC
P-Isopropyltoluene	EPA-8260	U	2.0	1	UG/L	11/14/2022	DLC
Naphthalene	EPA-8260	U	2.0	1	UG/L	11/14/2022	DLC
Xylenes	EPA-8260	U	2.0	1	UG/L	11/14/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/1/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110066
CLIENT PROJECT:	TECT - 222057.040	ALS SAMPLE#:	EV22110066-01
CLIENT SAMPLE ID	RISB-80-GW-221108	DATE RECEIVED:	11/09/2022
		COLLECTION DATE:	11/8/2022 3:15:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
Benzo[A]Anthracene	EPA-8270 SIM	0.026 HT03	0.020	1	UG/L	11/26/2022	JMK
Chrysene	EPA-8270 SIM	0.032 HT03	0.020	1	UG/L	11/26/2022	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	0.041 HT03	0.020	1	UG/L	11/26/2022	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U, HT03	0.020	1	UG/L	11/26/2022	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U, HT03	0.020	1	UG/L	11/26/2022	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U, HT03	0.020	1	UG/L	11/26/2022	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U, HT03	0.020	1	UG/L	11/26/2022	JMK
Mercury	EPA-245.1	U	0.20	1	UG/L	11/11/2022	RAL
Mercury (Dissolved)	EPA-245.1	U	0.20	1	UG/L	11/11/2022	RAL
Arsenic	EPA-200.8	14	1.0	1	UG/L	11/11/2022	RAL
Barium	EPA-200.8	150	1.0	1	UG/L	11/11/2022	RAL
Cadmium	EPA-200.8	U	1.0	1	UG/L	11/11/2022	RAL
Chromium	EPA-200.8	35	2.0	1	UG/L	11/11/2022	RAL
Lead	EPA-200.8	3.1	1.0	1	UG/L	11/11/2022	RAL
Nickel	EPA-200.8	78	2.0	1	UG/L	11/11/2022	RAL
Selenium	EPA-200.8	U	4.0	1	UG/L	11/11/2022	RAL
Silver	EPA-200.8	U	1.0	1	UG/L	11/11/2022	RAL
Zinc	EPA-200.8	44	2.5	1	UG/L	11/11/2022	RAL
Arsenic (Dissolved)	EPA-200.8	12	1.0	1	UG/L	11/11/2022	RAL
Barium (Dissolved)	EPA-200.8	51	1.0	1	UG/L	11/11/2022	RAL
Cadmium (Dissolved)	EPA-200.8	U	1.0	1	UG/L	11/11/2022	RAL
Chromium (Dissolved)	EPA-200.8	U	2.0	1	UG/L	11/11/2022	RAL
Lead (Dissolved)	EPA-200.8	U	1.0	1	UG/L	11/11/2022	RAL
Nickel (Dissolved)	EPA-200.8	40	2.0	1	UG/L	11/11/2022	RAL
Selenium (Dissolved)	EPA-200.8	U	4.0	1	UG/L	11/11/2022	RAL
Silver (Dissolved)	EPA-200.8	U	1.0	1	UG/L	11/11/2022	RAL
Zinc (Dissolved)	EPA-200.8	U	2.5	1	UG/L	11/11/2022	RAL
1,4-Dioxane	EPA-8270M	9.7 HT02	0.40	1	UG/L	11/23/2022	CAS

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
TFT	NWTPH-GX	182 SUR12	11/15/2022	KLS
C25	NWTPH-DX	76.6	11/14/2022	DHM
1,2-Dichloroethane-d4	EPA-8260	97.1	11/14/2022	DLC
1,2-Dichloroethane-d4 50X Dilution	EPA-8260	101	11/18/2022	DLC
Toluene-d8	EPA-8260	98.7	11/14/2022	DLC
Toluene-d8 50X Dilution	EPA-8260	98.3	11/18/2022	DLC
4-Bromofluorobenzene	EPA-8260	102	11/14/2022	DLC
4-Bromofluorobenzene 50X Dilution	EPA-8260	122 GS4	11/18/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT: Landau Associates, Inc. DATE: 12/1/2022
155 NE 100th St, Ste 302 ALS JOB#: EV22110066
Seattle, WA 98125 ALS SAMPLE#: EV22110066-01
CLIENT CONTACT: Stephanie Renando DATE RECEIVED: 11/09/2022
CLIENT PROJECT: TECT - 222057.040 COLLECTION DATE: 11/8/2022 3:15:00 PM
CLIENT SAMPLE ID RISB-80-GW-221108 WDOE ACCREDITATION: C601

SAMPLE DATA RESULTS

Table with 5 columns: SURROGATE, METHOD, %REC, ANALYSIS DATE, ANALYSIS BY. Rows include Terphenyl-d14 and d8-1,4-Dioxane with their respective methods and recovery percentages.

U - Analyte analyzed for but not detected at level above reporting limit.
SUR12 -Surrogate recoveries were outside of the control limits due to matrix interference.
HT03 -Sample extracted outside of the holding time due to laboratory error. Sample results should be considered estimated.
HT02 -Sample was reanalyzed outside of the holding time due to quality control exceedance during the initial analysis. Sample results should be considered estimated.
GS4 - Surrogate outside of control limits with a high bias. Associated compounds non-detect. No corrective action taken.
Chromatogram indicates that it is likely that sample contains an unidentified diesel range product.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/1/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110066
CLIENT PROJECT:	TECT - 222057.040	ALS SAMPLE#:	EV22110066-02
CLIENT SAMPLE ID	Trip Blank-221108	DATE RECEIVED:	11/09/2022
		COLLECTION DATE:	11/8/2022
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Vinyl Chloride	EPA-8260	U	0.020	1	UG/L	11/18/2022	DLC
Chloroethane	EPA-8260	U	2.0	1	UG/L	11/18/2022	DLC
Carbon Tetrachloride	EPA-8260	U	0.50	1	UG/L	11/18/2022	DLC
Carbon Disulfide	EPA-8260	U	2.0	1	UG/L	11/18/2022	DLC
Acetone	EPA-8260	U	25	1	UG/L	11/18/2022	DLC
1,1-Dichloroethene	EPA-8260	U	2.0	1	UG/L	11/18/2022	DLC
Methylene Chloride	EPA-8260	U	5.0	1	UG/L	11/18/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	2.0	1	UG/L	11/18/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	11/18/2022	DLC
1,1-Dichloroethane	EPA-8260	U	2.0	1	UG/L	11/18/2022	DLC
2-Butanone	EPA-8260	U	10	1	UG/L	11/18/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	11/18/2022	DLC
Chloroform	EPA-8260	U	0.50	1	UG/L	11/18/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	2.0	1	UG/L	11/18/2022	DLC
1,2-Dichloroethane	EPA-8260	U	0.020	1	UG/L	11/18/2022	DLC
Benzene	EPA-8260	U	0.50	1	UG/L	11/18/2022	DLC
Trichloroethene	EPA-8260	U	0.50	1	UG/L	11/18/2022	DLC
1,2-Dichloropropane	EPA-8260	U	0.50	1	UG/L	11/18/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	10	1	UG/L	11/18/2022	DLC
Toluene	EPA-8260	U	2.0	1	UG/L	11/18/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	0.50	1	UG/L	11/18/2022	DLC
2-Hexanone	EPA-8260	U	10	1	UG/L	11/18/2022	DLC
Tetrachloroethylene	EPA-8260	U	2.0	1	UG/L	11/18/2022	DLC
1,2-Dibromoethane	EPA-8260	U	0.010	1	UG/L	11/18/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	0.50	1	UG/L	11/18/2022	DLC
Ethylbenzene	EPA-8260	U	2.0	1	UG/L	11/18/2022	DLC
Isopropylbenzene	EPA-8260	U	2.0	1	UG/L	11/18/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	0.50	1	UG/L	11/18/2022	DLC
N-Propyl Benzene	EPA-8260	U	2.0	1	UG/L	11/18/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	11/18/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	11/18/2022	DLC
S-Butyl Benzene	EPA-8260	U	2.0	1	UG/L	11/18/2022	DLC
P-Isopropyltoluene	EPA-8260	U	2.0	1	UG/L	11/18/2022	DLC
Naphthalene	EPA-8260	U	2.0	1	UG/L	11/18/2022	DLC
Xylenes	EPA-8260	U	2.0	1	UG/L	11/18/2022	DLC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
1,2-Dichloroethane-d4	EPA-8260	105	11/18/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT: Landau Associates, Inc. DATE: 12/1/2022
155 NE 100th St, Ste 302 ALS JOB#: EV22110066
Seattle, WA 98125 ALS SAMPLE#: EV22110066-02
CLIENT CONTACT: Stephanie Renando DATE RECEIVED: 11/09/2022
CLIENT PROJECT: TECT - 222057.040 COLLECTION DATE: 11/8/2022
CLIENT SAMPLE ID Trip Blank-221108 WDOE ACCREDITATION: C601

SAMPLE DATA RESULTS

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
Toluene-d8	EPA-8260	102	11/18/2022	DLC
4-Bromofluorobenzene	EPA-8260	125 GS2	11/18/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.
GS2 - Surrogate outside of control limits due to dilution.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/1/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110066
CLIENT PROJECT:	TECT - 222057.040	WDOE ACCREDITATION:	C601

LABORATORY BLANK RESULTS

MBG-111422W - Batch 186281 - Water by NWTPH-GX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	UG/L	50	11/14/2022	KLS

U - Analyte analyzed for but not detected at level above reporting limit.

MB-111422W - Batch 186231 - Water by NWTPH-DX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	UG/L	130	11/14/2022	DHM
TPH-Oil Range (C24-C40)	NWTPH-DX	U	UG/L	250	11/14/2022	DHM

U - Analyte analyzed for but not detected at level above reporting limit.

MB-111422W - Batch 186283 - Water by EPA-8260

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Vinyl Chloride	EPA-8260	U	UG/L	0.020	11/14/2022	DLC
Chloroethane	EPA-8260	U	UG/L	2.0	11/14/2022	DLC
Carbon Tetrachloride	EPA-8260	U	UG/L	0.50	11/14/2022	DLC
Carbon Disulfide	EPA-8260	U	UG/L	2.0	11/14/2022	DLC
Acetone	EPA-8260	U	UG/L	25	11/14/2022	DLC
1,1-Dichloroethene	EPA-8260	U	UG/L	2.0	11/14/2022	DLC
Methylene Chloride	EPA-8260	U	UG/L	5.0	11/14/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	UG/L	2.0	11/14/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	UG/L	2.0	11/14/2022	DLC
1,1-Dichloroethane	EPA-8260	U	UG/L	2.0	11/14/2022	DLC
2-Butanone	EPA-8260	U	UG/L	10	11/14/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	UG/L	2.0	11/14/2022	DLC
Chloroform	EPA-8260	U	UG/L	0.50	11/14/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	UG/L	2.0	11/14/2022	DLC
1,2-Dichloroethane	EPA-8260	U	UG/L	0.020	11/14/2022	DLC
Benzene	EPA-8260	U	UG/L	0.50	11/14/2022	DLC
Trichloroethene	EPA-8260	U	UG/L	0.50	11/14/2022	DLC
1,2-Dichloropropane	EPA-8260	U	UG/L	0.50	11/14/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	UG/L	10	11/14/2022	DLC
Toluene	EPA-8260	U	UG/L	2.0	11/14/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	UG/L	0.50	11/14/2022	DLC
2-Hexanone	EPA-8260	U	UG/L	10	11/14/2022	DLC
Tetrachloroethylene	EPA-8260	U	UG/L	2.0	11/14/2022	DLC
1,2-Dibromoethane	EPA-8260	U	UG/L	0.010	11/14/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	UG/L	0.50	11/14/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/1/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110066
CLIENT PROJECT:	TECT - 222057.040	WDOE ACCREDITATION:	C601

LABORATORY BLANK RESULTS

MB-111422W - Batch 186283 - Water by EPA-8260

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Ethylbenzene	EPA-8260	U	UG/L	2.0	11/14/2022	DLC
Isopropylbenzene	EPA-8260	U	UG/L	2.0	11/14/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	UG/L	0.50	11/14/2022	DLC
N-Propyl Benzene	EPA-8260	U	UG/L	2.0	11/14/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	UG/L	2.0	11/14/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	UG/L	2.0	11/14/2022	DLC
S-Butyl Benzene	EPA-8260	U	UG/L	2.0	11/14/2022	DLC
P-Isopropyltoluene	EPA-8260	U	UG/L	2.0	11/14/2022	DLC
Naphthalene	EPA-8260	U	UG/L	2.0	11/14/2022	DLC
Xylenes	EPA-8260	U	UG/L	2.0	11/14/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.

MB-111722W - Batch 186401 - Water by EPA-8260

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Vinyl Chloride	EPA-8260	U	UG/L	0.020	11/18/2022	DLC
Chloroethane	EPA-8260	U	UG/L	2.0	11/18/2022	DLC
Carbon Tetrachloride	EPA-8260	U	UG/L	0.50	11/18/2022	DLC
Carbon Disulfide	EPA-8260	U	UG/L	2.0	11/18/2022	DLC
Acetone	EPA-8260	U	UG/L	25	11/18/2022	DLC
1,1-Dichloroethene	EPA-8260	U	UG/L	2.0	11/18/2022	DLC
Methylene Chloride	EPA-8260	U	UG/L	5.0	11/18/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	UG/L	2.0	11/18/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	UG/L	2.0	11/18/2022	DLC
1,1-Dichloroethane	EPA-8260	U	UG/L	2.0	11/18/2022	DLC
2-Butanone	EPA-8260	U	UG/L	10	11/18/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	UG/L	2.0	11/18/2022	DLC
Chloroform	EPA-8260	U	UG/L	0.50	11/18/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	UG/L	2.0	11/18/2022	DLC
1,2-Dichloroethane	EPA-8260	U	UG/L	0.020	11/18/2022	DLC
Benzene	EPA-8260	U	UG/L	0.50	11/18/2022	DLC
Trichloroethene	EPA-8260	U	UG/L	0.50	11/18/2022	DLC
1,2-Dichloropropane	EPA-8260	U	UG/L	0.50	11/18/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	UG/L	10	11/18/2022	DLC
Toluene	EPA-8260	U	UG/L	2.0	11/18/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	UG/L	0.50	11/18/2022	DLC
2-Hexanone	EPA-8260	U	UG/L	10	11/18/2022	DLC
Tetrachloroethylene	EPA-8260	U	UG/L	2.0	11/18/2022	DLC
1,2-Dibromoethane	EPA-8260	U	UG/L	0.010	11/18/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	UG/L	0.50	11/18/2022	DLC
Ethylbenzene	EPA-8260	U	UG/L	2.0	11/18/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/1/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110066
CLIENT PROJECT:	TECT - 222057.040	WDOE ACCREDITATION:	C601

LABORATORY BLANK RESULTS

MB-111722W - Batch 186401 - Water by EPA-8260

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Isopropylbenzene	EPA-8260	U	UG/L	2.0	11/18/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	UG/L	0.50	11/18/2022	DLC
N-Propyl Benzene	EPA-8260	U	UG/L	2.0	11/18/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	UG/L	2.0	11/18/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	UG/L	2.0	11/18/2022	DLC
S-Butyl Benzene	EPA-8260	U	UG/L	2.0	11/18/2022	DLC
P-Isopropyltoluene	EPA-8260	U	UG/L	2.0	11/18/2022	DLC
Naphthalene	EPA-8260	U	UG/L	2.0	11/18/2022	DLC
Xylenes	EPA-8260	U	UG/L	2.0	11/18/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.

MB-111822W - Batch 186608 - Water by EPA-8270 SIM

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Benzo[A]Anthracene	EPA-8270 SIM	U	UG/L	0.020	11/23/2022	JMK
Chrysene	EPA-8270 SIM	U	UG/L	0.020	11/23/2022	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	UG/L	0.020	11/23/2022	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	UG/L	0.020	11/23/2022	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	UG/L	0.020	11/23/2022	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	UG/L	0.020	11/23/2022	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	UG/L	0.020	11/23/2022	JMK

U - Analyte analyzed for but not detected at level above reporting limit.

MBLK-R421774 - Batch R421774 - Water by EPA-245.1

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Mercury	EPA-245.1	U	UG/L	0.20	11/11/2022	RAL

U - Analyte analyzed for but not detected at level above reporting limit.

MBLK-R422611 - Batch R422611 - Water by EPA-245.1

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Mercury (Dissolved)	EPA-245.1	U	UG/L	0.20	11/11/2022	RAL

U - Analyte analyzed for but not detected at level above reporting limit.

MB-111122W - Batch 186137 - Water by EPA-200.8

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Arsenic	EPA-200.8	U	UG/L	1.0	11/11/2022	RAL
Barium	EPA-200.8	U	UG/L	1.0	11/11/2022	RAL



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/1/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110066
CLIENT PROJECT:	TECT - 222057.040	WDOE ACCREDITATION:	C601

LABORATORY BLANK RESULTS

MB-111122W - Batch 186137 - Water by EPA-200.8

Cadmium	EPA-200.8	U	UG/L	1.0	11/11/2022	RAL
Chromium	EPA-200.8	U	UG/L	2.0	11/11/2022	RAL
Lead	EPA-200.8	U	UG/L	1.0	11/11/2022	RAL
Nickel	EPA-200.8	U	UG/L	2.0	11/11/2022	RAL
Selenium	EPA-200.8	U	UG/L	4.0	11/11/2022	RAL
Silver	EPA-200.8	U	UG/L	1.0	11/11/2022	RAL
Zinc	EPA-200.8	U	UG/L	2.5	11/11/2022	RAL

U - Analyte analyzed for but not detected at level above reporting limit.

MB-111122W - Batch 186138 - Water by EPA-200.8

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Arsenic (Dissolved)	EPA-200.8	U	UG/L	1.0	11/11/2022	RAL
Barium (Dissolved)	EPA-200.8	U	UG/L	1.0	11/11/2022	RAL
Cadmium (Dissolved)	EPA-200.8	U	UG/L	1.0	11/11/2022	RAL
Chromium (Dissolved)	EPA-200.8	U	UG/L	2.0	11/11/2022	RAL
Lead (Dissolved)	EPA-200.8	U	UG/L	1.0	11/11/2022	RAL
Nickel (Dissolved)	EPA-200.8	U	UG/L	2.0	11/11/2022	RAL
Selenium (Dissolved)	EPA-200.8	U	UG/L	4.0	11/11/2022	RAL
Silver (Dissolved)	EPA-200.8	U	UG/L	1.0	11/11/2022	RAL
Zinc (Dissolved)	EPA-200.8	U	UG/L	2.5	11/11/2022	RAL

U - Analyte analyzed for but not detected at level above reporting limit.

MBLK-R422974 - Batch R422974 - Water by EPA-8270M

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
1,4-Dioxane	EPA-8270M	U	UG/L	0.40	11/23/2022	CAS

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/1/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110066
CLIENT PROJECT:	TECT - 222057.040	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 186281 - Water by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Volatile Range (C5-C12) - BS	NWTPH-GX	95.8			66.5	122.7	11/15/2022	KLS
TPH-Volatile Range (C5-C12) - BSD	NWTPH-GX	96.2	0		66.5	122.7	11/15/2022	KLS

ALS Test Batch ID: 186231 - Water by NWTPH-DX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Diesel Range (C12-C24) - BS	NWTPH-DX	90.3			67	125.2	11/14/2022	DHM
TPH-Diesel Range (C12-C24) - BSD	NWTPH-DX	92.7	3		67	125.2	11/14/2022	DHM

ALS Test Batch ID: 186283 - Water by EPA-8260

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Vinyl Chloride - BS	EPA-8260	107			50	150	11/14/2022	DLC
Vinyl Chloride - BSD	EPA-8260	112	5		50	150	11/14/2022	DLC
Chloroethane - BS	EPA-8260	107			50	150	11/14/2022	DLC
Chloroethane - BSD	EPA-8260	112	4		50	150	11/14/2022	DLC
Carbon Tetrachloride - BS	EPA-8260	116			50	150	11/14/2022	DLC
Carbon Tetrachloride - BSD	EPA-8260	122	5		50	150	11/14/2022	DLC
Carbon Disulfide - BS	EPA-8260	106			50	150	11/14/2022	DLC
Carbon Disulfide - BSD	EPA-8260	112	5		50	150	11/14/2022	DLC
Acetone - BS	EPA-8260	105			50	150	11/14/2022	DLC
Acetone - BSD	EPA-8260	139	28	SR1	50	150	11/14/2022	DLC
1,1-Dichloroethene - BS	EPA-8260	109			72.5	136	11/14/2022	DLC
1,1-Dichloroethene - BSD	EPA-8260	115	5		72.5	136	11/14/2022	DLC
Methylene Chloride - BS	EPA-8260	93.5			50	150	11/14/2022	DLC
Methylene Chloride - BSD	EPA-8260	97.9	5		50	150	11/14/2022	DLC
Methyl T-Butyl Ether - BS	EPA-8260	105			50	150	11/14/2022	DLC
Methyl T-Butyl Ether - BSD	EPA-8260	110	4		50	150	11/14/2022	DLC
Trans-1,2-Dichloroethene - BS	EPA-8260	107			50	150	11/14/2022	DLC
Trans-1,2-Dichloroethene - BSD	EPA-8260	113	5		50	150	11/14/2022	DLC
1,1-Dichloroethane - BS	EPA-8260	106			50	150	11/14/2022	DLC
1,1-Dichloroethane - BSD	EPA-8260	112	5		50	150	11/14/2022	DLC
2-Butanone - BS	EPA-8260	114			50	150	11/14/2022	DLC
2-Butanone - BSD	EPA-8260	133	16		50	150	11/14/2022	DLC
Cis-1,2-Dichloroethene - BS	EPA-8260	106			50	150	11/14/2022	DLC
Cis-1,2-Dichloroethene - BSD	EPA-8260	111	5		50	150	11/14/2022	DLC
Chloroform - BS	EPA-8260	110			50	150	11/14/2022	DLC
Chloroform - BSD	EPA-8260	115	5		50	150	11/14/2022	DLC
1,1,1-Trichloroethane - BS	EPA-8260	110			50	150	11/14/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT: Landau Associates, Inc.
155 NE 100th St, Ste 302
Seattle, WA 98125

DATE: 12/1/2022
ALS SDG#: EV22110066
WDOE ACCREDITATION: C601

CLIENT CONTACT: Stephanie Renando
CLIENT PROJECT: TECT - 222057.040

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
1,1,1-Trichloroethane - BSD	EPA-8260	116	5		50	150	11/14/2022	DLC
1,2-Dichloroethane - BS	EPA-8260	105			50	150	11/14/2022	DLC
1,2-Dichloroethane - BSD	EPA-8260	110	5		50	150	11/14/2022	DLC
Benzene - BS	EPA-8260	103			74.7	143	11/14/2022	DLC
Benzene - BSD	EPA-8260	109	6		74.7	143	11/14/2022	DLC
Trichloroethene - BS	EPA-8260	105			74.4	141	11/14/2022	DLC
Trichloroethene - BSD	EPA-8260	114	8		74.4	141	11/14/2022	DLC
1,2-Dichloropropane - BS	EPA-8260	108			50	150	11/14/2022	DLC
1,2-Dichloropropane - BSD	EPA-8260	114	5		50	150	11/14/2022	DLC
4-Methyl-2-Pentanone - BS	EPA-8260	96.9			50	150	11/14/2022	DLC
4-Methyl-2-Pentanone - BSD	EPA-8260	103	6		50	150	11/14/2022	DLC
Toluene - BS	EPA-8260	107			71.7	139	11/14/2022	DLC
Toluene - BSD	EPA-8260	113	5		71.7	139	11/14/2022	DLC
1,1,2-Trichloroethane - BS	EPA-8260	105			50	150	11/14/2022	DLC
1,1,2-Trichloroethane - BSD	EPA-8260	110	5		50	150	11/14/2022	DLC
2-Hexanone - BS	EPA-8260	100			50	150	11/14/2022	DLC
2-Hexanone - BSD	EPA-8260	117	15		50	150	11/14/2022	DLC
Tetrachloroethylene - BS	EPA-8260	104			50	150	11/14/2022	DLC
Tetrachloroethylene - BSD	EPA-8260	134	25	SR1	50	150	11/14/2022	DLC
1,2-Dibromoethane - BS	EPA-8260	99.2			50	150	11/14/2022	DLC
1,2-Dibromoethane - BSD	EPA-8260	105	5		50	150	11/14/2022	DLC
1,1,1,2-Tetrachloroethane - BS	EPA-8260	105			50	150	11/14/2022	DLC
1,1,1,2-Tetrachloroethane - BSD	EPA-8260	111	6		50	150	11/14/2022	DLC
Ethylbenzene - BS	EPA-8260	106			50	150	11/14/2022	DLC
Ethylbenzene - BSD	EPA-8260	113	6		50	150	11/14/2022	DLC
Isopropylbenzene - BS	EPA-8260	106			50	150	11/14/2022	DLC
Isopropylbenzene - BSD	EPA-8260	114	7		50	150	11/14/2022	DLC
1,1,2,2-Tetrachloroethane - BS	EPA-8260	104			50	150	11/14/2022	DLC
1,1,2,2-Tetrachloroethane - BSD	EPA-8260	107	2		50	150	11/14/2022	DLC
N-Propyl Benzene - BS	EPA-8260	106			50	150	11/14/2022	DLC
N-Propyl Benzene - BSD	EPA-8260	114	8		50	150	11/14/2022	DLC
1,3,5-Trimethylbenzene - BS	EPA-8260	108			50	150	11/14/2022	DLC
1,3,5-Trimethylbenzene - BSD	EPA-8260	116	7		50	150	11/14/2022	DLC
1,2,4-Trimethylbenzene - BS	EPA-8260	111			50	150	11/14/2022	DLC
1,2,4-Trimethylbenzene - BSD	EPA-8260	120	8		50	150	11/14/2022	DLC
S-Butyl Benzene - BS	EPA-8260	106			50	150	11/14/2022	DLC
S-Butyl Benzene - BSD	EPA-8260	115	8		50	150	11/14/2022	DLC
P-Isopropyltoluene - BS	EPA-8260	107			50	150	11/14/2022	DLC
P-Isopropyltoluene - BSD	EPA-8260	117	9		50	150	11/14/2022	DLC
Naphthalene - BS	EPA-8260	92.1			50	150	11/14/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/1/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110066
CLIENT PROJECT:	TECT - 222057.040	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Naphthalene - BSD	EPA-8260	100	8		50	150	11/14/2022	DLC
Xylenes - BS	EPA-8260	105			50	150	11/14/2022	DLC
Xylenes - BSD	EPA-8260	112	6		50	150	11/14/2022	DLC

SR1 - RPD outside of control limits.

ALS Test Batch ID: 186401 - Water by EPA-8260

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Vinyl Chloride - BS	EPA-8260	120			50	150	11/18/2022	DLC
Vinyl Chloride - BSD	EPA-8260	107	12		50	150	11/18/2022	DLC
Chloroethane - BS	EPA-8260	117			50	150	11/18/2022	DLC
Chloroethane - BSD	EPA-8260	105	11		50	150	11/18/2022	DLC
Carbon Tetrachloride - BS	EPA-8260	125			50	150	11/18/2022	DLC
Carbon Tetrachloride - BSD	EPA-8260	111	12		50	150	11/18/2022	DLC
Carbon Disulfide - BS	EPA-8260	115			50	150	11/18/2022	DLC
Carbon Disulfide - BSD	EPA-8260	103	11		50	150	11/18/2022	DLC
Acetone - BS	EPA-8260	85.4			50	150	11/18/2022	DLC
Acetone - BSD	EPA-8260	101	17		50	150	11/18/2022	DLC
1,1-Dichloroethene - BS	EPA-8260	117			72.5	136	11/18/2022	DLC
1,1-Dichloroethene - BSD	EPA-8260	105	11		72.5	136	11/18/2022	DLC
Methylene Chloride - BS	EPA-8260	116			50	150	11/18/2022	DLC
Methylene Chloride - BSD	EPA-8260	109	6		50	150	11/18/2022	DLC
Methyl T-Butyl Ether - BS	EPA-8260	112			50	150	11/18/2022	DLC
Methyl T-Butyl Ether - BSD	EPA-8260	104	7		50	150	11/18/2022	DLC
Trans-1,2-Dichloroethene - BS	EPA-8260	117			50	150	11/18/2022	DLC
Trans-1,2-Dichloroethene - BSD	EPA-8260	105	11		50	150	11/18/2022	DLC
1,1-Dichloroethane - BS	EPA-8260	117			50	150	11/18/2022	DLC
1,1-Dichloroethane - BSD	EPA-8260	106	10		50	150	11/18/2022	DLC
2-Butanone - BS	EPA-8260	92.2			50	150	11/18/2022	DLC
2-Butanone - BSD	EPA-8260	95.5	4		50	150	11/18/2022	DLC
Cis-1,2-Dichloroethene - BS	EPA-8260	117			50	150	11/18/2022	DLC
Cis-1,2-Dichloroethene - BSD	EPA-8260	106	10		50	150	11/18/2022	DLC
Chloroform - BS	EPA-8260	113			50	150	11/18/2022	DLC
Chloroform - BSD	EPA-8260	101	11		50	150	11/18/2022	DLC
1,1,1-Trichloroethane - BS	EPA-8260	120			50	150	11/18/2022	DLC
1,1,1-Trichloroethane - BSD	EPA-8260	107	12		50	150	11/18/2022	DLC
1,2-Dichloroethane - BS	EPA-8260	110			50	150	11/18/2022	DLC
1,2-Dichloroethane - BSD	EPA-8260	103	7		50	150	11/18/2022	DLC
Benzene - BS	EPA-8260	112			74.7	143	11/18/2022	DLC
Benzene - BSD	EPA-8260	102	10		74.7	143	11/18/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT: Landau Associates, Inc.
155 NE 100th St, Ste 302
Seattle, WA 98125

DATE: 12/1/2022
ALS SDG#: EV22110066
WDOE ACCREDITATION: C601

CLIENT CONTACT: Stephanie Renando
CLIENT PROJECT: TECT - 222057.040

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Trichloroethene - BS	EPA-8260	112			74.4	141	11/18/2022	DLC
Trichloroethene - BSD	EPA-8260	103	8		74.4	141	11/18/2022	DLC
1,2-Dichloropropane - BS	EPA-8260	118			50	150	11/18/2022	DLC
1,2-Dichloropropane - BSD	EPA-8260	108	9		50	150	11/18/2022	DLC
4-Methyl-2-Pentanone - BS	EPA-8260	108			50	150	11/18/2022	DLC
4-Methyl-2-Pentanone - BSD	EPA-8260	101	6		50	150	11/18/2022	DLC
Toluene - BS	EPA-8260	117			71.7	139	11/18/2022	DLC
Toluene - BSD	EPA-8260	107	10		71.7	139	11/18/2022	DLC
1,1,2-Trichloroethane - BS	EPA-8260	113			50	150	11/18/2022	DLC
1,1,2-Trichloroethane - BSD	EPA-8260	105	7		50	150	11/18/2022	DLC
2-Hexanone - BS	EPA-8260	94.7			50	150	11/18/2022	DLC
2-Hexanone - BSD	EPA-8260	92.1	3		50	150	11/18/2022	DLC
Tetrachloroethylene - BS	EPA-8260	97.2			50	150	11/18/2022	DLC
Tetrachloroethylene - BSD	EPA-8260	108	11		50	150	11/18/2022	DLC
1,2-Dibromoethane - BS	EPA-8260	118			50	150	11/18/2022	DLC
1,2-Dibromoethane - BSD	EPA-8260	110	7		50	150	11/18/2022	DLC
1,1,1,2-Tetrachloroethane - BS	EPA-8260	113			50	150	11/18/2022	DLC
1,1,1,2-Tetrachloroethane - BSD	EPA-8260	104	8		50	150	11/18/2022	DLC
Ethylbenzene - BS	EPA-8260	117			50	150	11/18/2022	DLC
Ethylbenzene - BSD	EPA-8260	106	10		50	150	11/18/2022	DLC
Isopropylbenzene - BS	EPA-8260	116			50	150	11/18/2022	DLC
Isopropylbenzene - BSD	EPA-8260	106	10		50	150	11/18/2022	DLC
1,1,2,2-Tetrachloroethane - BS	EPA-8260	102			50	150	11/18/2022	DLC
1,1,2,2-Tetrachloroethane - BSD	EPA-8260	92.6	9		50	150	11/18/2022	DLC
N-Propyl Benzene - BS	EPA-8260	110			50	150	11/18/2022	DLC
N-Propyl Benzene - BSD	EPA-8260	100	9		50	150	11/18/2022	DLC
1,3,5-Trimethylbenzene - BS	EPA-8260	111			50	150	11/18/2022	DLC
1,3,5-Trimethylbenzene - BSD	EPA-8260	102	9		50	150	11/18/2022	DLC
1,2,4-Trimethylbenzene - BS	EPA-8260	108			50	150	11/18/2022	DLC
1,2,4-Trimethylbenzene - BSD	EPA-8260	98.4	9		50	150	11/18/2022	DLC
S-Butyl Benzene - BS	EPA-8260	111			50	150	11/18/2022	DLC
S-Butyl Benzene - BSD	EPA-8260	101	9		50	150	11/18/2022	DLC
P-Isopropyltoluene - BS	EPA-8260	110			50	150	11/18/2022	DLC
P-Isopropyltoluene - BSD	EPA-8260	100	9		50	150	11/18/2022	DLC
Naphthalene - BS	EPA-8260	97.6			50	150	11/18/2022	DLC
Naphthalene - BSD	EPA-8260	92.8	5		50	150	11/18/2022	DLC
Xylenes - BS	EPA-8260	117			50	150	11/18/2022	DLC
Xylenes - BSD	EPA-8260	106	9		50	150	11/18/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT: Landau Associates, Inc.
155 NE 100th St, Ste 302
Seattle, WA 98125

DATE: 12/1/2022
ALS SDG#: EV22110066
WDOE ACCREDITATION: C601

CLIENT CONTACT: Stephanie Renando
CLIENT PROJECT: TECT - 222057.040

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 186608 - Water by EPA-8270 SIM

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Benzo[A]Anthracene - BS	EPA-8270 SIM	87.8			20	150	11/23/2022	JMK
Benzo[A]Anthracene - BSD	EPA-8270 SIM	106	19		20	150	11/26/2022	JMK
Chrysene - BS	EPA-8270 SIM	85.9			20	150	11/23/2022	JMK
Chrysene - BSD	EPA-8270 SIM	93.2	8		20	150	11/26/2022	JMK
Benzo[B]Fluoranthene - BS	EPA-8270 SIM	84.1			20	150	11/23/2022	JMK
Benzo[B]Fluoranthene - BSD	EPA-8270 SIM	103	20		20	150	11/26/2022	JMK
Benzo[K]Fluoranthene - BS	EPA-8270 SIM	88.5			20	150	11/23/2022	JMK
Benzo[K]Fluoranthene - BSD	EPA-8270 SIM	96.5	9		20	150	11/26/2022	JMK
Benzo[A]Pyrene - BS	EPA-8270 SIM	88.6			20	150	11/23/2022	JMK
Benzo[A]Pyrene - BSD	EPA-8270 SIM	95.8	8		20	150	11/26/2022	JMK
Indeno[1,2,3-Cd]Pyrene - BS	EPA-8270 SIM	95.5			20	150	11/23/2022	JMK
Indeno[1,2,3-Cd]Pyrene - BSD	EPA-8270 SIM	103	7		20	150	11/26/2022	JMK
Dibenz[A,H]Anthracene - BS	EPA-8270 SIM	97.2			20	150	11/23/2022	JMK
Dibenz[A,H]Anthracene - BSD	EPA-8270 SIM	102	5		20	150	11/26/2022	JMK

ALS Test Batch ID: R421774 - Water by EPA-245.1

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Mercury - BS	EPA-245.1	106			80.6	118	11/11/2022	RAL
Mercury - BSD	EPA-245.1	107	1		80.6	118	11/11/2022	RAL

ALS Test Batch ID: R422611 - Water by EPA-245.1

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Mercury (Dissolved) - BS	EPA-245.1	103			80.6	118	11/11/2022	RAL
Mercury (Dissolved) - BSD	EPA-245.1	104	1		80.6	118	11/11/2022	RAL

ALS Test Batch ID: 186137 - Water by EPA-200.8

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Arsenic - BS	EPA-200.8	101			89.1	110	11/11/2022	RAL
Arsenic - BSD	EPA-200.8	101	0		89.1	110	11/11/2022	RAL
Barium - BS	EPA-200.8	98.4			88.5	108	11/11/2022	RAL
Barium - BSD	EPA-200.8	97.4	1		88.5	108	11/11/2022	RAL
Cadmium - BS	EPA-200.8	108			89.4	110	11/11/2022	RAL
Cadmium - BSD	EPA-200.8	107	1		89.4	110	11/11/2022	RAL
Chromium - BS	EPA-200.8	101			88.3	110.2	11/11/2022	RAL
Chromium - BSD	EPA-200.8	99.6	1		88.3	110.2	11/11/2022	RAL
Lead - BS	EPA-200.8	97.8			87.5	107	11/11/2022	RAL



CERTIFICATE OF ANALYSIS

CLIENT: Landau Associates, Inc.
155 NE 100th St, Ste 302
Seattle, WA 98125

DATE: 12/1/2022
ALS SDG#: EV22110066
WDOE ACCREDITATION: C601

CLIENT CONTACT: Stephanie Renando
CLIENT PROJECT: TECT - 222057.040

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Lead - BSD	EPA-200.8	98.5	1		87.5	107	11/11/2022	RAL
Nickel - BS	EPA-200.8	104			85.4	109	11/11/2022	RAL
Nickel - BSD	EPA-200.8	103	1		85.4	109	11/11/2022	RAL
Selenium - BS	EPA-200.8	99.8			90.2	113	11/11/2022	RAL
Selenium - BSD	EPA-200.8	99.9	0		90.2	113	11/11/2022	RAL
Silver - BS	EPA-200.8	106			80	120	11/11/2022	RAL
Silver - BSD	EPA-200.8	105	1		80	120	11/11/2022	RAL
Zinc - BS	EPA-200.8	106			88.2	111	11/11/2022	RAL
Zinc - BSD	EPA-200.8	105	1		88.2	111	11/11/2022	RAL

ALS Test Batch ID: 186138 - Water by EPA-200.8

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Arsenic (Dissolved) - BS	EPA-200.8	101			89.1	110	11/11/2022	RAL
Arsenic (Dissolved) - BSD	EPA-200.8	101	0		89.1	110	11/11/2022	RAL
Barium (Dissolved) - BS	EPA-200.8	98.4			88.5	108	11/11/2022	RAL
Barium (Dissolved) - BSD	EPA-200.8	97.4	1		88.5	108	11/11/2022	RAL
Cadmium (Dissolved) - BS	EPA-200.8	108			89.4	110	11/11/2022	RAL
Cadmium (Dissolved) - BSD	EPA-200.8	107	1		89.4	110	11/11/2022	RAL
Chromium (Dissolved) - BS	EPA-200.8	101			86.2	107	11/11/2022	RAL
Chromium (Dissolved) - BSD	EPA-200.8	99.6	1		86.2	107	11/11/2022	RAL
Lead (Dissolved) - BS	EPA-200.8	97.8			87.5	107	11/11/2022	RAL
Lead (Dissolved) - BSD	EPA-200.8	98.5	1		87.5	107	11/11/2022	RAL
Nickel (Dissolved) - BS	EPA-200.8	104			85.4	109	11/11/2022	RAL
Nickel (Dissolved) - BSD	EPA-200.8	103	1		85.4	109	11/11/2022	RAL
Selenium (Dissolved) - BS	EPA-200.8	99.8			90.2	113	11/11/2022	RAL
Selenium (Dissolved) - BSD	EPA-200.8	99.9	0		90.2	113	11/11/2022	RAL
Silver (Dissolved) - BS	EPA-200.8	106			80	120	11/11/2022	RAL
Silver (Dissolved) - BSD	EPA-200.8	105	1		80	120	11/11/2022	RAL
Zinc (Dissolved) - BS	EPA-200.8	106			88.2	111	11/11/2022	RAL
Zinc (Dissolved) - BSD	EPA-200.8	105	1		88.2	111	11/11/2022	RAL

ALS Test Batch ID: R422974 - Water by EPA-8270M

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
1,4-Dioxane - BS	EPA-8270M	71.4			52	111	11/23/2022	CAS
1,4-Dioxane - BSD	EPA-8270M	70.6	1		52	111	11/23/2022	CAS

CERTIFICATE OF ANALYSIS

APPROVED BY



Laboratory Director

GW marked up by S. Renando on 11/10/22 **A/22110066**



Chain-of-Custody Record

North Seattle (206) 631-8660 Spokane (509) 327-9737 Date 11/8/22
 Tacoma (253) 926-2493 Portland (503) 542-1080 Page 1 of 1
 Olympia (360) 791-3178 _____ Turnaround Time: Standard Accelerated _____

Project Name TECT Project No. 222057.040
 Project Location/Event Everett, WA / Phase III
 Sampler's Name DSB/KVP
 Project Contact Stephanic Renando
 Send Results To S. Renando, Jerry Ninkman & Duni Sorensen

Testing Parameters	
VOCs (8260)	X
CPAHs *	X
NWTPH-Dx	X
NWTPH-Dx/020	X
Total Metals	X
Dissolved Metals (200.8)	X
14-Dioxane (8270E)	X

Special Handling Requirements: _____
 Shipment Method: _____
 Stored on ice: Yes / No

1
2

Sample I.D.	Date	Time	Matrix	No. of Containers	VOCs (8260)	CPAHs *	NWTPH-Dx	NWTPH-Dx/020	Total Metals	Dissolved Metals (200.8)	14-Dioxane (8270E)
RISB-80-GW-221108	11/8/22	1515	AQ	10	X	X	X	X	X	X	X
Ti Blank-221108	-	-	AQ	2	X						

Observations/Comments
 — Allow water samples to settle, collect aliquot from clear portion
 — NWTPH-Dx - Acid wash cleanup
 - Silica gel cleanup
 Dissolved metal samples were field filtered
 Other
Arsenic, barium, cadmium, chromium, lead, selenium, silver, mercury, nickel, zinc (200.8/245.1)
 * 8270E

Relinquished by
 Signature [Signature]
 Printed Name Deven Brant
 Company LHI
 Date 11/9/22 Time 1631

Received by
 Signature [Signature]
 Printed Name [Signature]
 Company [Signature]
 Date 11/9/22 Time 1631

Relinquished by
 Signature _____
 Printed Name _____
 Company _____
 Date _____ Time _____

Received by
 Signature _____
 Printed Name _____
 Company _____
 Date _____ Time _____

ALS ENVIRONMENTAL

Sample Receiving Checklist

Client: Landau Associates

ALS Job #: Ev22110066

Project: TECT

Received Date: 11-9-22

Received Time: 17:00

By: MH

Type of shipping container: Cooler Box Other

Shipped via: FedEx Ground UPS Mail Courier Hand Delivered
FedEx Express ALS

	Yes	No	N/A
Were custody seals on outside of shipping container?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
If yes, how many? _____			
Where? _____			
Custody seal date: _____			
Seal name: _____			

Was Chain of Custody properly filled out (ink, signed, dated, etc.)?

Did all bottles have labels?

Did all bottle labels and tags agree with Chain of Custody?

Were samples received within hold time?

Did all bottles arrive in good condition (unbroken, etc.)?

Was sufficient amount of sample sent for the tests indicated?

Was correct preservation added to samples?

If no, Sample Control added preservative to the following:

<u>Sample Number</u>	<u>Reagent</u>	<u>Analyte</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

Were VOA vials checked for absence of air bubbles?
Bubbles present in sample #: None

Temperature of cooler upon receipt: 4.0°C Ice Cold Cool Ambient N/A

Explain any discrepancies: _____

Was client contacted? _____ Who was called? _____ By whom? _____ Date: _____

Outcome of call: _____



December 12, 2022

Ms. Stephanie Renando
Landau Associates, Inc.
155 NE 100th St, Ste 302
Seattle, WA 98125

Dear Ms. Renando,

On November 11th, 3 samples were received by our laboratory and assigned our laboratory project number EV22110079. The project was identified as your TECT RI - 222057.040.043. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Carl Nott
Professional Scientist



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/12/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110079
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110079-01
CLIENT SAMPLE ID	RIDW-5-(36.5-37.5')	DATE RECEIVED:	11/11/2022
		COLLECTION DATE:	11/10/2022 4:40:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
Vinyl Chloride	EPA-8260	U	0.050	1	UG/KG	11/15/2022	DLC
Chloroethane	EPA-8260	U	10	1	UG/KG	11/15/2022	DLC
Carbon Tetrachloride	EPA-8260	U	1.5	1	UG/KG	11/15/2022	DLC
Carbon Disulfide	EPA-8260	U	10	1	UG/KG	11/15/2022	DLC
Acetone	EPA-8260	U	50	1	UG/KG	11/15/2022	DLC
1,1-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	11/15/2022	DLC
Methylene Chloride	EPA-8260	U	1.6	1	UG/KG	11/15/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	1.5	1	UG/KG	11/15/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	11/15/2022	DLC
1,1-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	11/15/2022	DLC
2-Butanone	EPA-8260	U	50	1	UG/KG	11/15/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	11/15/2022	DLC
Chloroform	EPA-8260	U	1.5	1	UG/KG	11/15/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	10	1	UG/KG	11/15/2022	DLC
1,2-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	11/15/2022	DLC
Benzene	EPA-8260	U	1.5	1	UG/KG	11/15/2022	DLC
Trichloroethene	EPA-8260	U	1.5	1	UG/KG	11/15/2022	DLC
1,2-Dichloropropane	EPA-8260	U	1.5	1	UG/KG	11/15/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	50	1	UG/KG	11/15/2022	DLC
Toluene	EPA-8260	U	10	1	UG/KG	11/15/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	1.5	1	UG/KG	11/15/2022	DLC
2-Hexanone	EPA-8260	U	50	1	UG/KG	11/15/2022	DLC
Tetrachloroethylene	EPA-8260	U	1.5	1	UG/KG	11/15/2022	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	11/15/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	11/15/2022	DLC
Ethylbenzene	EPA-8260	U	10	1	UG/KG	11/15/2022	DLC
Isopropylbenzene	EPA-8260	U	10	1	UG/KG	11/15/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	1.5	1	UG/KG	11/15/2022	DLC
N-Propyl Benzene	EPA-8260	U	10	1	UG/KG	11/15/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	11/15/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	11/15/2022	DLC
S-Butyl Benzene	EPA-8260	U	10	1	UG/KG	11/15/2022	DLC
P-Isopropyltoluene	EPA-8260	U	10	1	UG/KG	11/15/2022	DLC
Naphthalene	EPA-8260	U	10	1	UG/KG	11/15/2022	DLC
Xylenes	EPA-8260	U	20	1	UG/KG	11/15/2022	DLC
Total Organic Carbon (TOC)	ASTM D4129-05M	0.13	0.050	1	%	11/21/2022	CAS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
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CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/12/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110079
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110079-01
CLIENT SAMPLE ID	RIDW-5-(36.5-37.5')	DATE RECEIVED:	11/11/2022
		COLLECTION DATE:	11/10/2022 4:40:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

SURROGATE	METHOD	%REC	ANALYSIS ANALYSIS	
			DATE	BY
1,2-Dichloroethane-d4	EPA-8260	99.1	11/15/2022	DLC
Toluene-d8	EPA-8260	96.9	11/15/2022	DLC
4-Bromofluorobenzene	EPA-8260	97.6	11/15/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/12/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110079
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110079-02
CLIENT SAMPLE ID	RIDW-5-(95.5-96.5')	DATE RECEIVED:	11/11/2022
		COLLECTION DATE:	11/11/2022 12:00:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
Vinyl Chloride	EPA-8260	U	0.050	1	UG/KG	11/15/2022	DLC
Chloroethane	EPA-8260	U	10	1	UG/KG	11/15/2022	DLC
Carbon Tetrachloride	EPA-8260	U	1.5	1	UG/KG	11/15/2022	DLC
Carbon Disulfide	EPA-8260	U	10	1	UG/KG	11/15/2022	DLC
Acetone	EPA-8260	U	50	1	UG/KG	11/15/2022	DLC
1,1-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	11/15/2022	DLC
Methylene Chloride	EPA-8260	U	1.5	1	UG/KG	11/15/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	1.5	1	UG/KG	11/15/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	11/15/2022	DLC
1,1-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	11/15/2022	DLC
2-Butanone	EPA-8260	U	50	1	UG/KG	11/15/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	11/15/2022	DLC
Chloroform	EPA-8260	U	1.5	1	UG/KG	11/15/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	10	1	UG/KG	11/15/2022	DLC
1,2-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	11/15/2022	DLC
Benzene	EPA-8260	U	1.5	1	UG/KG	11/15/2022	DLC
Trichloroethene	EPA-8260	U	1.5	1	UG/KG	11/15/2022	DLC
1,2-Dichloropropane	EPA-8260	U	1.5	1	UG/KG	11/15/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	50	1	UG/KG	11/15/2022	DLC
Toluene	EPA-8260	U	10	1	UG/KG	11/15/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	1.5	1	UG/KG	11/15/2022	DLC
2-Hexanone	EPA-8260	U	50	1	UG/KG	11/15/2022	DLC
Tetrachloroethylene	EPA-8260	U	1.5	1	UG/KG	11/15/2022	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	11/15/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	11/15/2022	DLC
Ethylbenzene	EPA-8260	U	10	1	UG/KG	11/15/2022	DLC
Isopropylbenzene	EPA-8260	U	10	1	UG/KG	11/15/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	1.5	1	UG/KG	11/15/2022	DLC
N-Propyl Benzene	EPA-8260	U	10	1	UG/KG	11/15/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	11/15/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	11/15/2022	DLC
S-Butyl Benzene	EPA-8260	U	10	1	UG/KG	11/15/2022	DLC
P-Isopropyltoluene	EPA-8260	U	10	1	UG/KG	11/15/2022	DLC
Naphthalene	EPA-8260	U	10	1	UG/KG	11/15/2022	DLC
Xylenes	EPA-8260	U	20	1	UG/KG	11/15/2022	DLC
Total Organic Carbon (TOC)	ASTM D4129-05M	0.055	0.050	1	%	11/21/2022	CAS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
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CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/12/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110079
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110079-02
CLIENT SAMPLE ID	RIDW-5-(95.5-96.5')	DATE RECEIVED:	11/11/2022
		COLLECTION DATE:	11/11/2022 12:00:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

SURROGATE	METHOD	%REC	ANALYSIS ANALYSIS	
			DATE	BY
1,2-Dichloroethane-d4	EPA-8260	96.5	11/15/2022	DLC
Toluene-d8	EPA-8260	98.9	11/15/2022	DLC
4-Bromofluorobenzene	EPA-8260	107	11/15/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/12/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110079
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110079-03
CLIENT SAMPLE ID	Trip Blanks	DATE RECEIVED:	11/11/2022
		COLLECTION DATE:	11/10/2022
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
Vinyl Chloride	EPA-8260	U	0.020	1	UG/L	11/14/2022	DLC
Chloroethane	EPA-8260	U	2.0	1	UG/L	11/14/2022	DLC
Carbon Tetrachloride	EPA-8260	U	0.50	1	UG/L	11/14/2022	DLC
Carbon Disulfide	EPA-8260	U	2.0	1	UG/L	11/14/2022	DLC
Acetone	EPA-8260	U	25	1	UG/L	11/14/2022	DLC
1,1-Dichloroethene	EPA-8260	U	2.0	1	UG/L	11/14/2022	DLC
Methylene Chloride	EPA-8260	U	5.0	1	UG/L	11/14/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	2.0	1	UG/L	11/14/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	11/14/2022	DLC
1,1-Dichloroethane	EPA-8260	U	2.0	1	UG/L	11/14/2022	DLC
2-Butanone	EPA-8260	U	10	1	UG/L	11/14/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	11/14/2022	DLC
Chloroform	EPA-8260	U	0.50	1	UG/L	11/14/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	2.0	1	UG/L	11/14/2022	DLC
1,2-Dichloroethane	EPA-8260	U	0.020	1	UG/L	11/14/2022	DLC
Benzene	EPA-8260	U	0.50	1	UG/L	11/14/2022	DLC
Trichloroethene	EPA-8260	U	0.50	1	UG/L	11/14/2022	DLC
1,2-Dichloropropane	EPA-8260	U	0.50	1	UG/L	11/14/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	10	1	UG/L	11/14/2022	DLC
Toluene	EPA-8260	U	2.0	1	UG/L	11/14/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	0.50	1	UG/L	11/14/2022	DLC
2-Hexanone	EPA-8260	U	10	1	UG/L	11/14/2022	DLC
Tetrachloroethylene	EPA-8260	U	2.0	1	UG/L	11/14/2022	DLC
1,2-Dibromoethane	EPA-8260	U	0.010	1	UG/L	11/14/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	0.50	1	UG/L	11/14/2022	DLC
Ethylbenzene	EPA-8260	U	2.0	1	UG/L	11/14/2022	DLC
Isopropylbenzene	EPA-8260	U	2.0	1	UG/L	11/14/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	0.50	1	UG/L	11/14/2022	DLC
N-Propyl Benzene	EPA-8260	U	2.0	1	UG/L	11/14/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	11/14/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	11/14/2022	DLC
S-Butyl Benzene	EPA-8260	U	2.0	1	UG/L	11/14/2022	DLC
P-Isopropyltoluene	EPA-8260	U	2.0	1	UG/L	11/14/2022	DLC
Naphthalene	EPA-8260	U	2.0	1	UG/L	11/14/2022	DLC
Xylenes	EPA-8260	U	2.0	1	UG/L	11/14/2022	DLC

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
1,2-Dichloroethane-d4	EPA-8260	107	11/14/2022	DLC

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/12/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110079
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110079-03
CLIENT SAMPLE ID	Trip Blanks	DATE RECEIVED:	11/11/2022
		COLLECTION DATE:	11/10/2022
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

SURROGATE	METHOD	%REC	ANALYSIS ANALYSIS	
			DATE	BY
Toluene-d8	EPA-8260	99.8	11/14/2022	DLC
4-Bromofluorobenzene	EPA-8260	120 S	11/14/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.
S - Outside of control limits.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/12/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110079
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY BLANK RESULTS

MB-111522S - Batch 186452 - Soil by EPA-8260

ANALYTE	METHOD	RESULTS	UNITS	REPORTING	ANALYSIS	ANALYSIS
				LIMITS	DATE	BY
Vinyl Chloride	EPA-8260	U	UG/KG	0.050	11/15/2022	DLC
Chloroethane	EPA-8260	U	UG/KG	10	11/15/2022	DLC
Carbon Tetrachloride	EPA-8260	U	UG/KG	1.5	11/15/2022	DLC
Carbon Disulfide	EPA-8260	U	UG/KG	10	11/15/2022	DLC
Acetone	EPA-8260	U	UG/KG	50	11/15/2022	DLC
1,1-Dichloroethene	EPA-8260	U	UG/KG	1.5	11/15/2022	DLC
Methylene Chloride	EPA-8260	U	UG/KG	2.3	11/15/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	UG/KG	1.5	11/15/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	UG/KG	10	11/15/2022	DLC
1,1-Dichloroethane	EPA-8260	U	UG/KG	1.5	11/15/2022	DLC
2-Butanone	EPA-8260	U	UG/KG	50	11/15/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	UG/KG	1.5	11/15/2022	DLC
Chloroform	EPA-8260	U	UG/KG	1.5	11/15/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	UG/KG	10	11/15/2022	DLC
1,2-Dichloroethane	EPA-8260	U	UG/KG	1.5	11/15/2022	DLC
Benzene	EPA-8260	U	UG/KG	1.5	11/15/2022	DLC
Trichloroethene	EPA-8260	U	UG/KG	1.5	11/15/2022	DLC
1,2-Dichloropropane	EPA-8260	U	UG/KG	1.5	11/15/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	UG/KG	50	11/15/2022	DLC
Toluene	EPA-8260	U	UG/KG	10	11/15/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	UG/KG	1.5	11/15/2022	DLC
2-Hexanone	EPA-8260	U	UG/KG	50	11/15/2022	DLC
Tetrachloroethylene	EPA-8260	U	UG/KG	1.5	11/15/2022	DLC
1,2-Dibromoethane	EPA-8260	U	UG/KG	5.0	11/15/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	UG/KG	10	11/15/2022	DLC
Ethylbenzene	EPA-8260	U	UG/KG	10	11/15/2022	DLC
Isopropylbenzene	EPA-8260	U	UG/KG	10	11/15/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	UG/KG	1.5	11/15/2022	DLC
N-Propyl Benzene	EPA-8260	U	UG/KG	10	11/15/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	UG/KG	10	11/15/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	UG/KG	10	11/15/2022	DLC
S-Butyl Benzene	EPA-8260	U	UG/KG	10	11/15/2022	DLC
P-Isopropyltoluene	EPA-8260	U	UG/KG	10	11/15/2022	DLC
Naphthalene	EPA-8260	U	UG/KG	10	11/15/2022	DLC
Xylenes	EPA-8260	U	UG/KG	20	11/15/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/12/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110079
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY BLANK RESULTS

MB-111422W - Batch 186283 - Water by EPA-8260

ANALYTE	METHOD	RESULTS	UNITS	REPORTING	ANALYSIS	ANALYSIS
				LIMITS	DATE	BY
Vinyl Chloride	EPA-8260	U	UG/L	0.020	11/14/2022	DLC
Chloroethane	EPA-8260	U	UG/L	2.0	11/14/2022	DLC
Carbon Tetrachloride	EPA-8260	U	UG/L	0.50	11/14/2022	DLC
Carbon Disulfide	EPA-8260	U	UG/L	2.0	11/14/2022	DLC
Acetone	EPA-8260	U	UG/L	25	11/14/2022	DLC
1,1-Dichloroethene	EPA-8260	U	UG/L	2.0	11/14/2022	DLC
Methylene Chloride	EPA-8260	U	UG/L	5.0	11/14/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	UG/L	2.0	11/14/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	UG/L	2.0	11/14/2022	DLC
1,1-Dichloroethane	EPA-8260	U	UG/L	2.0	11/14/2022	DLC
2-Butanone	EPA-8260	U	UG/L	10	11/14/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	UG/L	2.0	11/14/2022	DLC
Chloroform	EPA-8260	U	UG/L	0.50	11/14/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	UG/L	2.0	11/14/2022	DLC
1,2-Dichloroethane	EPA-8260	U	UG/L	0.020	11/14/2022	DLC
Benzene	EPA-8260	U	UG/L	0.50	11/14/2022	DLC
Trichloroethene	EPA-8260	U	UG/L	0.50	11/14/2022	DLC
1,2-Dichloropropane	EPA-8260	U	UG/L	0.50	11/14/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	UG/L	10	11/14/2022	DLC
Toluene	EPA-8260	U	UG/L	2.0	11/14/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	UG/L	0.50	11/14/2022	DLC
2-Hexanone	EPA-8260	U	UG/L	10	11/14/2022	DLC
Tetrachloroethylene	EPA-8260	U	UG/L	2.0	11/14/2022	DLC
1,2-Dibromoethane	EPA-8260	U	UG/L	0.010	11/14/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	UG/L	0.50	11/14/2022	DLC
Ethylbenzene	EPA-8260	U	UG/L	2.0	11/14/2022	DLC
Isopropylbenzene	EPA-8260	U	UG/L	2.0	11/14/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	UG/L	0.50	11/14/2022	DLC
N-Propyl Benzene	EPA-8260	U	UG/L	2.0	11/14/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	UG/L	2.0	11/14/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	UG/L	2.0	11/14/2022	DLC
S-Butyl Benzene	EPA-8260	U	UG/L	2.0	11/14/2022	DLC
P-Isopropyltoluene	EPA-8260	U	UG/L	2.0	11/14/2022	DLC
Naphthalene	EPA-8260	U	UG/L	2.0	11/14/2022	DLC
Xylenes	EPA-8260	U	UG/L	2.0	11/14/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT: Landau Associates, Inc. DATE: 12/12/2022
155 NE 100th St, Ste 302 ALS SDG#: EV22110079
Seattle, WA 98125 WDOE ACCREDITATION: C601
CLIENT CONTACT: Stephanie Renando
CLIENT PROJECT: TECT RI - 222057.040.043

LABORATORY BLANK RESULTS

MBLK-R423800 - Batch R423800 - Soil by ASTM D4129-05M

Table with 7 columns: ANALYTE, METHOD, RESULTS, UNITS, REPORTING LIMITS, ANALYSIS DATE, ANALYSIS BY. Row 1: Total Organic Carbon (TOC), ASTM D4129-05M, U, %, 0.050, 11/21/2022, CAS

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/12/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110079
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 186452 - Soil by EPA-8260

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Vinyl Chloride - BS	EPA-8260	95.4			50	150	11/15/2022	DLC
Vinyl Chloride - BSD	EPA-8260	98.4	3		50	150	11/15/2022	DLC
Chloroethane - BS	EPA-8260	98.6			50	150	11/15/2022	DLC
Chloroethane - BSD	EPA-8260	101	2		50	150	11/15/2022	DLC
Carbon Tetrachloride - BS	EPA-8260	104			50	150	11/15/2022	DLC
Carbon Tetrachloride - BSD	EPA-8260	104	0		50	150	11/15/2022	DLC
Carbon Disulfide - BS	EPA-8260	101			50	150	11/15/2022	DLC
Carbon Disulfide - BSD	EPA-8260	103	2		50	150	11/15/2022	DLC
Acetone - BS	EPA-8260	114			50	150	11/15/2022	DLC
Acetone - BSD	EPA-8260	100	13		50	150	11/15/2022	DLC
1,1-Dichloroethene - BS	EPA-8260	102			70	130	11/15/2022	DLC
1,1-Dichloroethene - BSD	EPA-8260	104	2		70	130	11/15/2022	DLC
Methylene Chloride - BS	EPA-8260	76.5			50	150	11/15/2022	DLC
Methylene Chloride - BSD	EPA-8260	81.1	6		50	150	11/15/2022	DLC
Methyl T-Butyl Ether - BS	EPA-8260	101			50	150	11/15/2022	DLC
Methyl T-Butyl Ether - BSD	EPA-8260	104	3		50	150	11/15/2022	DLC
Trans-1,2-Dichloroethene - BS	EPA-8260	100			50	150	11/15/2022	DLC
Trans-1,2-Dichloroethene - BSD	EPA-8260	104	3		50	150	11/15/2022	DLC
1,1-Dichloroethane - BS	EPA-8260	100			50	150	11/15/2022	DLC
1,1-Dichloroethane - BSD	EPA-8260	104	3		50	150	11/15/2022	DLC
2-Butanone - BS	EPA-8260	109			50	150	11/15/2022	DLC
2-Butanone - BSD	EPA-8260	87.9	21		50	150	11/15/2022	DLC
Cis-1,2-Dichloroethene - BS	EPA-8260	99.9			50	150	11/15/2022	DLC
Cis-1,2-Dichloroethene - BSD	EPA-8260	105	5		50	150	11/15/2022	DLC
Chloroform - BS	EPA-8260	96.5			50	150	11/15/2022	DLC
Chloroform - BSD	EPA-8260	99.9	3		50	150	11/15/2022	DLC
1,1,1-Trichloroethane - BS	EPA-8260	103			50	150	11/15/2022	DLC
1,1,1-Trichloroethane - BSD	EPA-8260	103	0		50	150	11/15/2022	DLC
1,2-Dichloroethane - BS	EPA-8260	101			50	150	11/15/2022	DLC
1,2-Dichloroethane - BSD	EPA-8260	102	1		50	150	11/15/2022	DLC
Benzene - BS	EPA-8260	99.0			75	138	11/15/2022	DLC
Benzene - BSD	EPA-8260	96.6	2		75	138	11/15/2022	DLC
Trichloroethene - BS	EPA-8260	104			75	136	11/15/2022	DLC
Trichloroethene - BSD	EPA-8260	101	3		75	136	11/15/2022	DLC
1,2-Dichloropropane - BS	EPA-8260	102			50	150	11/15/2022	DLC
1,2-Dichloropropane - BSD	EPA-8260	100	2		50	150	11/15/2022	DLC
4-Methyl-2-Pentanone - BS	EPA-8260	102			50	150	11/15/2022	DLC
4-Methyl-2-Pentanone - BSD	EPA-8260	102	0		50	150	11/15/2022	DLC
Toluene - BS	EPA-8260	100			71.6	122.1	11/15/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/12/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110079
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Toluene - BSD	EPA-8260	98.6	1		71.6	122.1	11/15/2022	DLC
1,1,2-Trichloroethane - BS	EPA-8260	102			50	150	11/15/2022	DLC
1,1,2-Trichloroethane - BSD	EPA-8260	103	1		50	150	11/15/2022	DLC
2-Hexanone - BS	EPA-8260	107			50	150	11/15/2022	DLC
2-Hexanone - BSD	EPA-8260	104	3		50	150	11/15/2022	DLC
Tetrachloroethylene - BS	EPA-8260	112			50	150	11/15/2022	DLC
Tetrachloroethylene - BSD	EPA-8260	103	8		50	150	11/15/2022	DLC
1,2-Dibromoethane - BS	EPA-8260	104			50	150	11/15/2022	DLC
1,2-Dibromoethane - BSD	EPA-8260	105	1		50	150	11/15/2022	DLC
1,1,1,2-Tetrachloroethane - BS	EPA-8260	103			50	150	11/15/2022	DLC
1,1,1,2-Tetrachloroethane - BSD	EPA-8260	104	1		50	150	11/15/2022	DLC
Ethylbenzene - BS	EPA-8260	101			50	150	11/15/2022	DLC
Ethylbenzene - BSD	EPA-8260	100	1		50	150	11/15/2022	DLC
Isopropylbenzene - BS	EPA-8260	101			50	150	11/15/2022	DLC
Isopropylbenzene - BSD	EPA-8260	102	0		50	150	11/15/2022	DLC
1,1,2,2-Tetrachloroethane - BS	EPA-8260	96.4			50	150	11/15/2022	DLC
1,1,2,2-Tetrachloroethane - BSD	EPA-8260	96.5	0		50	150	11/15/2022	DLC
N-Propyl Benzene - BS	EPA-8260	93.6			50	150	11/15/2022	DLC
N-Propyl Benzene - BSD	EPA-8260	91.8	2		50	150	11/15/2022	DLC
1,3,5-Trimethylbenzene - BS	EPA-8260	96.6			50	150	11/15/2022	DLC
1,3,5-Trimethylbenzene - BSD	EPA-8260	94.8	2		50	150	11/15/2022	DLC
1,2,4-Trimethylbenzene - BS	EPA-8260	93.9			50	150	11/15/2022	DLC
1,2,4-Trimethylbenzene - BSD	EPA-8260	93.3	1		50	150	11/15/2022	DLC
S-Butyl Benzene - BS	EPA-8260	96.9			50	150	11/15/2022	DLC
S-Butyl Benzene - BSD	EPA-8260	94.3	3		50	150	11/15/2022	DLC
P-Isopropyltoluene - BS	EPA-8260	96.9			50	150	11/15/2022	DLC
P-Isopropyltoluene - BSD	EPA-8260	94.4	3		50	150	11/15/2022	DLC
Naphthalene - BS	EPA-8260	83.1			50	150	11/15/2022	DLC
Naphthalene - BSD	EPA-8260	84.6	2		50	150	11/15/2022	DLC

ALS Test Batch ID: 186283 - Water by EPA-8260

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Vinyl Chloride - BS	EPA-8260	107			50	150	11/14/2022	DLC
Vinyl Chloride - BSD	EPA-8260	112	5		50	150	11/14/2022	DLC
Chloroethane - BS	EPA-8260	107			50	150	11/14/2022	DLC
Chloroethane - BSD	EPA-8260	112	4		50	150	11/14/2022	DLC
Carbon Tetrachloride - BS	EPA-8260	116			50	150	11/14/2022	DLC
Carbon Tetrachloride - BSD	EPA-8260	122	5		50	150	11/14/2022	DLC
Carbon Disulfide - BS	EPA-8260	106			50	150	11/14/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/12/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110079
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Carbon Disulfide - BSD	EPA-8260	112	5		50	150	11/14/2022	DLC
Acetone - BS	EPA-8260	105			50	150	11/14/2022	DLC
Acetone - BSD	EPA-8260	139	28	SR1	50	150	11/14/2022	DLC
1,1-Dichloroethene - BS	EPA-8260	109			72.5	136	11/14/2022	DLC
1,1-Dichloroethene - BSD	EPA-8260	115	5		72.5	136	11/14/2022	DLC
Methylene Chloride - BS	EPA-8260	93.5			50	150	11/14/2022	DLC
Methylene Chloride - BSD	EPA-8260	97.9	5		50	150	11/14/2022	DLC
Methyl T-Butyl Ether - BS	EPA-8260	105			50	150	11/14/2022	DLC
Methyl T-Butyl Ether - BSD	EPA-8260	110	4		50	150	11/14/2022	DLC
Trans-1,2-Dichloroethene - BS	EPA-8260	107			50	150	11/14/2022	DLC
Trans-1,2-Dichloroethene - BSD	EPA-8260	113	5		50	150	11/14/2022	DLC
1,1-Dichloroethane - BS	EPA-8260	106			50	150	11/14/2022	DLC
1,1-Dichloroethane - BSD	EPA-8260	112	5		50	150	11/14/2022	DLC
2-Butanone - BS	EPA-8260	114			50	150	11/14/2022	DLC
2-Butanone - BSD	EPA-8260	133	16		50	150	11/14/2022	DLC
Cis-1,2-Dichloroethene - BS	EPA-8260	106			50	150	11/14/2022	DLC
Cis-1,2-Dichloroethene - BSD	EPA-8260	111	5		50	150	11/14/2022	DLC
Chloroform - BS	EPA-8260	110			50	150	11/14/2022	DLC
Chloroform - BSD	EPA-8260	115	5		50	150	11/14/2022	DLC
1,1,1-Trichloroethane - BS	EPA-8260	110			50	150	11/14/2022	DLC
1,1,1-Trichloroethane - BSD	EPA-8260	116	5		50	150	11/14/2022	DLC
1,2-Dichloroethane - BS	EPA-8260	105			50	150	11/14/2022	DLC
1,2-Dichloroethane - BSD	EPA-8260	110	5		50	150	11/14/2022	DLC
Benzene - BS	EPA-8260	103			74.7	143	11/14/2022	DLC
Benzene - BSD	EPA-8260	109	6		74.7	143	11/14/2022	DLC
Trichloroethene - BS	EPA-8260	105			74.4	141	11/14/2022	DLC
Trichloroethene - BSD	EPA-8260	114	8		74.4	141	11/14/2022	DLC
1,2-Dichloropropane - BS	EPA-8260	108			50	150	11/14/2022	DLC
1,2-Dichloropropane - BSD	EPA-8260	114	5		50	150	11/14/2022	DLC
4-Methyl-2-Pentanone - BS	EPA-8260	96.9			50	150	11/14/2022	DLC
4-Methyl-2-Pentanone - BSD	EPA-8260	103	6		50	150	11/14/2022	DLC
Toluene - BS	EPA-8260	107			71.7	139	11/14/2022	DLC
Toluene - BSD	EPA-8260	113	5		71.7	139	11/14/2022	DLC
1,1,2-Trichloroethane - BS	EPA-8260	105			50	150	11/14/2022	DLC
1,1,2-Trichloroethane - BSD	EPA-8260	110	5		50	150	11/14/2022	DLC
2-Hexanone - BS	EPA-8260	100			50	150	11/14/2022	DLC
2-Hexanone - BSD	EPA-8260	117	15		50	150	11/14/2022	DLC
Tetrachloroethylene - BS	EPA-8260	104			50	150	11/14/2022	DLC
Tetrachloroethylene - BSD	EPA-8260	134	25	SR1	50	150	11/14/2022	DLC
1,2-Dibromoethane - BS	EPA-8260	99.2			50	150	11/14/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/12/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110079
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
1,2-Dibromoethane - BSD	EPA-8260	105	5		50	150	11/14/2022	DLC
1,1,1,2-Tetrachloroethane - BS	EPA-8260	105			50	150	11/14/2022	DLC
1,1,1,2-Tetrachloroethane - BSD	EPA-8260	111	6		50	150	11/14/2022	DLC
Ethylbenzene - BS	EPA-8260	106			50	150	11/14/2022	DLC
Ethylbenzene - BSD	EPA-8260	113	6		50	150	11/14/2022	DLC
Isopropylbenzene - BS	EPA-8260	106			50	150	11/14/2022	DLC
Isopropylbenzene - BSD	EPA-8260	114	7		50	150	11/14/2022	DLC
1,1,2,2-Tetrachloroethane - BS	EPA-8260	104			50	150	11/14/2022	DLC
1,1,2,2-Tetrachloroethane - BSD	EPA-8260	107	2		50	150	11/14/2022	DLC
N-Propyl Benzene - BS	EPA-8260	106			50	150	11/14/2022	DLC
N-Propyl Benzene - BSD	EPA-8260	114	8		50	150	11/14/2022	DLC
1,3,5-Trimethylbenzene - BS	EPA-8260	108			50	150	11/14/2022	DLC
1,3,5-Trimethylbenzene - BSD	EPA-8260	116	7		50	150	11/14/2022	DLC
1,2,4-Trimethylbenzene - BS	EPA-8260	111			50	150	11/14/2022	DLC
1,2,4-Trimethylbenzene - BSD	EPA-8260	120	8		50	150	11/14/2022	DLC
S-Butyl Benzene - BS	EPA-8260	106			50	150	11/14/2022	DLC
S-Butyl Benzene - BSD	EPA-8260	115	8		50	150	11/14/2022	DLC
P-Isopropyltoluene - BS	EPA-8260	107			50	150	11/14/2022	DLC
P-Isopropyltoluene - BSD	EPA-8260	117	9		50	150	11/14/2022	DLC
Naphthalene - BS	EPA-8260	92.1			50	150	11/14/2022	DLC
Naphthalene - BSD	EPA-8260	100	8		50	150	11/14/2022	DLC
Xylenes - BS	EPA-8260	105			50	150	11/14/2022	DLC
Xylenes - BSD	EPA-8260	112	6		50	150	11/14/2022	DLC

SR1 - RPD outside of control limits.

ALS Test Batch ID: R423800 - Soil by ASTM D4129-05M

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Total Organic Carbon (TOC) - BS	ASTM D4129-05M	101			70	130	11/21/2022	CAS



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/12/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110079
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

MATRIX SPIKE RESULTS

ALS Test Batch ID: 186452 - Soil
Parent Sample: RIDW-5-(36.5-37.5')

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	SPIKE ADDED	PARENT SAMPLE RESULT	RESULT	LIMITS		RPD	ANALYSIS DATE	ANALYSIS BY
								MIN	MAX			
Vinyl Chloride - MS	EPA-8260	69.7			10.8	0	7.53	50	150		11/16/2022	DLC
Vinyl Chloride - MSD	EPA-8260	76.2	2		10.1	0	7.68	50	150	25	11/16/2022	DLC
Chloroethane - MS	EPA-8260	72.6			10.8	0	7.85	50	150		11/16/2022	DLC
Chloroethane - MSD	EPA-8260	78.8	1		10.1	0	7.95	50	150	25	11/16/2022	DLC
Carbon Tetrachloride - MS	EPA-8260	89.8			10.8	0	9.70	50	150		11/16/2022	DLC
Carbon Tetrachloride - MSD	EPA-8260	94.2	2		10.1	0	9.49	50	150	25	11/16/2022	DLC
Carbon Disulfide - MS	EPA-8260	57.5			10.8	1.5	7.70	50	150		11/16/2022	DLC
Carbon Disulfide - MSD	EPA-8260	62.8	1		10.1	1.5	7.81	50	150	25	11/16/2022	DLC
Acetone - MS	EPA-8260	167		SQ2	10.8	6.6	24.6	50	150		11/16/2022	DLC
Acetone - MSD	EPA-8260	160	8	SQ2	10.1	6.6	22.7	50	150	25	11/16/2022	DLC
1,1-Dichloroethene - MS	EPA-8260	72.5			10.8	0	7.83	70	130		11/16/2022	DLC
1,1-Dichloroethene - MSD	EPA-8260	79.5	2		10.1	0	8.02	70	130	22	11/16/2022	DLC
Methylene Chloride - MS	EPA-8260	139			10.8	0	15.0	50	150		11/16/2022	DLC
Methylene Chloride - MSD	EPA-8260	141	5		10.1	0	14.2	50	150	25	11/16/2022	DLC
Methyl T-Butyl Ether - MS	EPA-8260	88.5			10.8	0	9.57	50	150		11/16/2022	DLC
Methyl T-Butyl Ether - MSD	EPA-8260	93.4	2		10.1	0	9.42	50	150	25	11/16/2022	DLC
Trans-1,2-Dichloroethene - MS	EPA-8260	76.5			10.8	0	8.27	50	150		11/16/2022	DLC
Trans-1,2-Dichloroethene - MSD	EPA-8260	84.7	3		10.1	0	8.54	50	150	25	11/16/2022	DLC
1,1-Dichloroethane - MS	EPA-8260	84.2			10.8	0	9.10	50	150		11/16/2022	DLC
1,1-Dichloroethane - MSD	EPA-8260	90.0	0		10.1	0	9.07	50	150	25	11/16/2022	DLC
2-Butanone - MS	EPA-8260	141			10.8	0	15.3	50	150		11/16/2022	DLC
2-Butanone - MSD	EPA-8260	145	5		10.1	0	14.6	50	150	25	11/16/2022	DLC
Cis-1,2-Dichloroethene - MS	EPA-8260	82.7			10.8	0	8.94	50	150		11/16/2022	DLC
Cis-1,2-Dichloroethene - MSD	EPA-8260	89.7	1		10.1	0	9.05	50	150	25	11/16/2022	DLC
Chloroform - MS	EPA-8260	82.7			10.8	0	8.94	50	150		11/16/2022	DLC
Chloroform - MSD	EPA-8260	89.4	1		10.1	0	9.01	50	150	25	11/16/2022	DLC
1,1,1-Trichloroethane - MS	EPA-8260	87.6			10.8	0	9.47	50	150		11/16/2022	DLC
1,1,1-Trichloroethane - MSD	EPA-8260	91.1	3		10.1	0	9.18	50	150	25	11/16/2022	DLC
1,2-Dichloroethane - MS	EPA-8260	80.5			10.8	0	8.70	50	150		11/16/2022	DLC
1,2-Dichloroethane - MSD	EPA-8260	84.6	2		10.1	0	8.53	50	150	25	11/16/2022	DLC
Benzene - MS	EPA-8260	74.0		SQ2	10.8	0	8.00	75	138		11/16/2022	DLC
Benzene - MSD	EPA-8260	78.4	1		10.1	0	7.90	75	138	21	11/16/2022	DLC
Trichloroethene - MS	EPA-8260	75.7			10.8	0	8.18	75	136		11/16/2022	DLC
Trichloroethene - MSD	EPA-8260	80.8	0		10.1	0	8.15	75	136	20	11/16/2022	DLC
1,2-Dichloropropane - MS	EPA-8260	81.7			10.8	0	8.83	50	150		11/16/2022	DLC
1,2-Dichloropropane - MSD	EPA-8260	86.2	2		10.1	0	8.69	50	150	25	11/16/2022	DLC
4-Methyl-2-Pentanone - MS	EPA-8260	87.5			10.8	0	9.46	50	150		11/16/2022	DLC
4-Methyl-2-Pentanone - MSD	EPA-8260	91.3	3		10.1	0	9.21	50	150	25	11/16/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT: Landau Associates, Inc.
155 NE 100th St, Ste 302
Seattle, WA 98125

DATE: 12/12/2022
ALS SDG#: EV22110079
WDOE ACCREDITATION: C601

CLIENT CONTACT: Stephanie Renando
CLIENT PROJECT: TECT RI - 222057.040.043

MATRIX SPIKE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	SPIKE ADDED	PARENT SAMPLE RESULT	LIMITS			ANALYSIS DATE	ANALYSIS BY	
							RESULT	MIN	MAX			
Toluene - MS	EPA-8260	73.9			10.8	0	7.99	71.6	122.1		11/16/2022	DLC
Toluene - MSD	EPA-8260	79.3	0		10.1	0	8.00	71.6	122.1	21	11/16/2022	DLC
1,1,2-Trichloroethane - MS	EPA-8260	75.7			10.8	0	8.18	50	150		11/16/2022	DLC
1,1,2-Trichloroethane - MSD	EPA-8260	81.2	0		10.1	0	8.19	50	150	25	11/16/2022	DLC
2-Hexanone - MS	EPA-8260	112			10.8	0	12.1	50	150		11/16/2022	DLC
2-Hexanone - MSD	EPA-8260	120	0		10.1	0	12.1	50	150	25	11/16/2022	DLC
Tetrachloroethylene - MS	EPA-8260	121			10.8	0	13.1	50	150		11/16/2022	DLC
Tetrachloroethylene - MSD	EPA-8260	126	3		10.1	0	12.7	50	150	25	11/16/2022	DLC
1,2-Dibromoethane - MS	EPA-8260	72.5			10.8	0	7.83	50	150		11/16/2022	DLC
1,2-Dibromoethane - MSD	EPA-8260	77.8	0		10.1	0	7.84	50	150	25	11/16/2022	DLC
1,1,1,2-Tetrachloroethane - MS	EPA-8260	81.4			10.8	0	8.80	50	150		11/16/2022	DLC
1,1,1,2-Tetrachloroethane - MSD	EPA-8260	84.9	3		10.1	0	8.56	50	150	25	11/16/2022	DLC
Ethylbenzene - MS	EPA-8260	67.6			10.8	0	7.31	50	150		11/16/2022	DLC
Ethylbenzene - MSD	EPA-8260	74.4	3		10.1	0	7.50	50	150	25	11/16/2022	DLC
Isopropylbenzene - MS	EPA-8260	71.2			10.8	0	7.70	50	150		11/16/2022	DLC
Isopropylbenzene - MSD	EPA-8260	77.6	2		10.1	0	7.82	50	150	25	11/16/2022	DLC
1,1,2,2-Tetrachloroethane - MS	EPA-8260	60.2			10.8	0	6.51	50	150		11/16/2022	DLC
1,1,2,2-Tetrachloroethane - MSD	EPA-8260	66.6	3		10.1	0	6.72	50	150	25	11/16/2022	DLC
N-Propyl Benzene - MS	EPA-8260	59.3			10.8	0	6.41	50	150		11/16/2022	DLC
N-Propyl Benzene - MSD	EPA-8260	64.9	2		10.1	0	6.54	50	150	25	11/16/2022	DLC
1,3,5-Trimethylbenzene - MS	EPA-8260	65.9			10.8	0	7.12	50	150		11/16/2022	DLC
1,3,5-Trimethylbenzene - MSD	EPA-8260	70.6	0		10.1	0	7.12	50	150	25	11/16/2022	DLC
1,2,4-Trimethylbenzene - MS	EPA-8260	62.5			10.8	0	6.76	50	150		11/16/2022	DLC
1,2,4-Trimethylbenzene - MSD	EPA-8260	68.4	2		10.1	0	6.89	50	150	25	11/16/2022	DLC
S-Butyl Benzene - MS	EPA-8260	62.7			10.8	0	6.78	50	150		11/16/2022	DLC
S-Butyl Benzene - MSD	EPA-8260	69.0	3		10.1	0	6.96	50	150	25	11/16/2022	DLC
P-Isopropyltoluene - MS	EPA-8260	64.2			10.8	0	6.94	50	150		11/16/2022	DLC
P-Isopropyltoluene - MSD	EPA-8260	69.9	2		10.1	0	7.05	50	150	25	11/16/2022	DLC
Naphthalene - MS	EPA-8260	60.8			10.8	0	6.57	50	150		11/16/2022	DLC
Naphthalene - MSD	EPA-8260	68.3	5		10.1	0	6.88	50	150	25	11/16/2022	DLC
Xylenes - MS	EPA-8260	0			0		23.1	0	0		11/16/2022	DLC
Xylenes - MSD	EPA-8260	0	0		0		23.2	0	0	0	11/16/2022	DLC

SQ2 - Spike outside of control limits due to matrix effect.

APPROVED BY

Professional Scientist



Chain-of-Custody Record

- North Seattle (206) 631-8660
- Tacoma (253) 926-2493
- Olympia (360) 791-3178
- Spokane (509) 327-9737
- Portland (503) 542-1080

Date 11/10/22
Page 1 of 1

Turnaround Time:
Standard
Accelerated

Soil EV22110079

Project Name TECT #3 R1 Project No. 222057.040.043

Project Location/Event Everett, WA / Phase III

Sampler's Name ~~DSP/KVP~~ Devin Brandt, Kalpana Prasad

Project Contact Stephanie Renando

Send Results To S. Renando, Jerry Viretman, Dani Jorgensen

Special Handling Requirements: _____
Shipment Method: _____
Stored on ice: Yes / No

Sample I.D.	Date	Time	Matrix	Containers	Testing Parameters										Observations/Comments				
					VOC (8260)	NWTPH-Dx (900)	NWTPH-GA	Metals (60204)*	TOC (12129-054)	Grain Size	MS/MSD	RID reading (ppm)							
RIDW-5-(36.5-37.5)	11/10/22	1640	Soil	18	X													124.6	
RIDW-5-(45.5-46.5)	11/11/22	1200	↓	6	X													139.4	Allow water samples to settle, collect aliquot from clear portion <input type="checkbox"/>
Trip Blanks			AQ	2	X														<input type="checkbox"/> NWTPH-Dx - Acid wash cleanup <input type="checkbox"/> - Silica gel cleanup <input type="checkbox"/> Dissolved metal samples were field filtered
Other <u>* Arsenic, cadmium, chromium, lead, Mercury, (6021A/7471A)</u>																			

Relinquished by
Signature: [Signature]
Printed Name: Kalpana Prasad
Company: LSI
Date: 11/11/22 Time: 1313

Received by
Signature: [Signature]
Printed Name: Max Christoffel
Company: ALS
Date: 11/11/22 Time: 1313

Relinquished by
Signature: _____
Printed Name: _____
Company: _____
Date: _____ Time: _____

Received by
Signature: _____
Printed Name: _____
Company: _____
Date: _____ Time: _____

ALS ENVIRONMENTAL

Sample Receiving Checklist

Client: Landau Associates

ALS Job #: EV22110079

Project: TECT KVP 11-11-22

Received Date: 11-11-22 Received Time: 1:50 By: MH

Type of shipping container: Cooler Box Other

Shipped via: FedEx Ground UPS Mail Courier Hand Delivered
FedEx Express ALS

	<u>Yes</u>	<u>No</u>	<u>N/A</u>
Were custody seals on outside of shipping container?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
If yes, how many? _____ Where? _____			
Custody seal date: _____ Seal name: _____			

Was Chain of Custody properly filled out (ink, signed, dated, etc.)?

Did all bottles have labels?

Did all bottle labels and tags agree with Chain of Custody?

Were samples received within hold time?

Did all bottles arrive in good condition (unbroken, etc.)?

Was sufficient amount of sample sent for the tests indicated?

Was correct preservation added to samples?

If no, Sample Control added preservative to the following:

<u>Sample Number</u>	<u>Reagent</u>	<u>Analyte</u>	
_____	_____	_____	<u>5 low kits</u>
_____	_____	_____	
_____	_____	_____	

Were VOA vials checked for absence of air bubbles?
Bubbles present in sample #: _____

Temperature of cooler upon receipt: 7.04°C Ice Cold Cool Ambient N/A

Explain any discrepancies: _____

Was client contacted? _____ Who was called? _____ By whom? _____ Date: _____

Outcome of call: _____



November 22, 2022

Ms. Stephanie Renando
Landau Associates, Inc.
155 NE 100th St, Ste 302
Seattle, WA 98125

Dear Ms. Renando,

On November 14th, 2 samples were received by our laboratory and assigned our laboratory project number EV22110084. The project was identified as your TECT R1 - 222057.040.043. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Carl Nott
Professional Scientist



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	11/22/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110084
CLIENT PROJECT:	TECT R1 - 222057.040.043	ALS SAMPLE#:	EV22110084-01
CLIENT SAMPLE ID	Trip Blanks	DATE RECEIVED:	11/14/2022
		COLLECTION DATE:	11/11/2022
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
Vinyl Chloride	EPA-8260	U	0.020	1	UG/L	11/18/2022	DLC
Chloroethane	EPA-8260	U	2.0	1	UG/L	11/18/2022	DLC
Carbon Tetrachloride	EPA-8260	U	0.50	1	UG/L	11/18/2022	DLC
Carbon Disulfide	EPA-8260	U	2.0	1	UG/L	11/18/2022	DLC
Acetone	EPA-8260	U	25	1	UG/L	11/18/2022	DLC
1,1-Dichloroethene	EPA-8260	U	2.0	1	UG/L	11/18/2022	DLC
Methylene Chloride	EPA-8260	U	5.0	1	UG/L	11/18/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	2.0	1	UG/L	11/18/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	11/18/2022	DLC
1,1-Dichloroethane	EPA-8260	U	2.0	1	UG/L	11/18/2022	DLC
2-Butanone	EPA-8260	U	10	1	UG/L	11/18/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	11/18/2022	DLC
Chloroform	EPA-8260	U	0.50	1	UG/L	11/18/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	2.0	1	UG/L	11/18/2022	DLC
1,2-Dichloroethane	EPA-8260	U	0.020	1	UG/L	11/18/2022	DLC
Benzene	EPA-8260	U	0.50	1	UG/L	11/18/2022	DLC
Trichloroethene	EPA-8260	U	0.50	1	UG/L	11/18/2022	DLC
1,2-Dichloropropane	EPA-8260	U	0.50	1	UG/L	11/18/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	10	1	UG/L	11/18/2022	DLC
Toluene	EPA-8260	U	2.0	1	UG/L	11/18/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	0.50	1	UG/L	11/18/2022	DLC
2-Hexanone	EPA-8260	U	10	1	UG/L	11/18/2022	DLC
Tetrachloroethylene	EPA-8260	U	2.0	1	UG/L	11/18/2022	DLC
1,2-Dibromoethane	EPA-8260	U	0.010	1	UG/L	11/18/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	0.50	1	UG/L	11/18/2022	DLC
Ethylbenzene	EPA-8260	U	2.0	1	UG/L	11/18/2022	DLC
Isopropylbenzene	EPA-8260	U	2.0	1	UG/L	11/18/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	0.50	1	UG/L	11/18/2022	DLC
N-Propyl Benzene	EPA-8260	U	2.0	1	UG/L	11/18/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	11/18/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	11/18/2022	DLC
S-Butyl Benzene	EPA-8260	U	2.0	1	UG/L	11/18/2022	DLC
P-Isopropyltoluene	EPA-8260	U	2.0	1	UG/L	11/18/2022	DLC
Naphthalene	EPA-8260	U	2.0	1	UG/L	11/18/2022	DLC
Xylenes	EPA-8260	U	2.0	1	UG/L	11/18/2022	DLC

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
1,2-Dichloroethane-d4	EPA-8260	105	11/18/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	11/22/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110084
CLIENT PROJECT:	TECT R1 - 222057.040.043	ALS SAMPLE#:	EV22110084-01
CLIENT SAMPLE ID	Trip Blanks	DATE RECEIVED:	11/14/2022
		COLLECTION DATE:	11/11/2022
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

SURROGATE	METHOD	%REC	ANALYSIS	
			DATE	BY
Toluene-d8	EPA-8260	100	11/18/2022	DLC
4-Bromofluorobenzene	EPA-8260	124 GS4	11/18/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.
 GS4 - Surrogate outside of control limits with a high bias. Associated compounds non-detect. No corrective action taken.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	11/22/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110084
CLIENT PROJECT:	TECT R1 - 222057.040.043	ALS SAMPLE#:	EV22110084-02
CLIENT SAMPLE ID	RIDW-5-(136-137')	DATE RECEIVED:	11/14/2022
		COLLECTION DATE:	11/11/2022 5:45:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
Vinyl Chloride	EPA-8260	U	0.050	1	UG/KG	11/16/2022	DLC
Chloroethane	EPA-8260	U	10	1	UG/KG	11/16/2022	DLC
Carbon Tetrachloride	EPA-8260	U	1.5	1	UG/KG	11/16/2022	DLC
Carbon Disulfide	EPA-8260	U	10	1	UG/KG	11/16/2022	DLC
Acetone	EPA-8260	U	50	1	UG/KG	11/16/2022	DLC
1,1-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	11/16/2022	DLC
Methylene Chloride	EPA-8260	U	1.5	1	UG/KG	11/16/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	1.5	1	UG/KG	11/16/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	11/16/2022	DLC
1,1-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	11/16/2022	DLC
2-Butanone	EPA-8260	U	50	1	UG/KG	11/16/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	11/16/2022	DLC
Chloroform	EPA-8260	U	1.5	1	UG/KG	11/16/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	10	1	UG/KG	11/16/2022	DLC
1,2-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	11/16/2022	DLC
Benzene	EPA-8260	U	1.5	1	UG/KG	11/16/2022	DLC
Trichloroethene	EPA-8260	U	1.5	1	UG/KG	11/16/2022	DLC
1,2-Dichloropropane	EPA-8260	U	1.5	1	UG/KG	11/16/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	50	1	UG/KG	11/16/2022	DLC
Toluene	EPA-8260	U	10	1	UG/KG	11/16/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	1.5	1	UG/KG	11/16/2022	DLC
2-Hexanone	EPA-8260	U	50	1	UG/KG	11/16/2022	DLC
Tetrachloroethylene	EPA-8260	U	1.5	1	UG/KG	11/16/2022	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	11/16/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	11/16/2022	DLC
Ethylbenzene	EPA-8260	U	10	1	UG/KG	11/16/2022	DLC
Isopropylbenzene	EPA-8260	U	10	1	UG/KG	11/16/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	1.5	1	UG/KG	11/16/2022	DLC
N-Propyl Benzene	EPA-8260	U	10	1	UG/KG	11/16/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	11/16/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	11/16/2022	DLC
S-Butyl Benzene	EPA-8260	U	10	1	UG/KG	11/16/2022	DLC
P-Isopropyltoluene	EPA-8260	U	10	1	UG/KG	11/16/2022	DLC
Naphthalene	EPA-8260	U	10	1	UG/KG	11/16/2022	DLC
Xylenes	EPA-8260	U	20	1	UG/KG	11/16/2022	DLC

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
1,2-Dichloroethane-d4	EPA-8260	93.6	11/16/2022	DLC

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	11/22/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110084
CLIENT PROJECT:	TECT R1 - 222057.040.043	ALS SAMPLE#:	EV22110084-02
CLIENT SAMPLE ID	RIDW-5-(136-137')	DATE RECEIVED:	11/14/2022
		COLLECTION DATE:	11/11/2022 5:45:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

SURROGATE	METHOD	%REC	ANALYSIS ANALYSIS	
			DATE	BY
Toluene-d8	EPA-8260	96.1	11/16/2022	DLC
4-Bromofluorobenzene	EPA-8260	94.3	11/16/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	11/22/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110084
CLIENT PROJECT:	TECT R1 - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY BLANK RESULTS

MB-111622S - Batch 186453 - Soil by EPA-8260

ANALYTE	METHOD	RESULTS	UNITS	REPORTING	ANALYSIS	ANALYSIS
				LIMITS	DATE	BY
Vinyl Chloride	EPA-8260	U	UG/KG	0.050	11/16/2022	DLC
Chloroethane	EPA-8260	U	UG/KG	10	11/16/2022	DLC
Carbon Tetrachloride	EPA-8260	U	UG/KG	1.5	11/16/2022	DLC
Carbon Disulfide	EPA-8260	U	UG/KG	10	11/16/2022	DLC
Acetone	EPA-8260	U	UG/KG	50	11/16/2022	DLC
1,1-Dichloroethene	EPA-8260	U	UG/KG	1.5	11/16/2022	DLC
Methylene Chloride	EPA-8260	U	UG/KG	2.3	11/16/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	UG/KG	1.5	11/16/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	UG/KG	10	11/16/2022	DLC
1,1-Dichloroethane	EPA-8260	U	UG/KG	1.5	11/16/2022	DLC
2-Butanone	EPA-8260	U	UG/KG	50	11/16/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	UG/KG	1.5	11/16/2022	DLC
Chloroform	EPA-8260	U	UG/KG	1.5	11/16/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	UG/KG	10	11/16/2022	DLC
1,2-Dichloroethane	EPA-8260	U	UG/KG	1.5	11/16/2022	DLC
Benzene	EPA-8260	U	UG/KG	1.5	11/16/2022	DLC
Trichloroethene	EPA-8260	U	UG/KG	1.5	11/16/2022	DLC
1,2-Dichloropropane	EPA-8260	U	UG/KG	1.5	11/16/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	UG/KG	50	11/16/2022	DLC
Toluene	EPA-8260	U	UG/KG	10	11/16/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	UG/KG	1.5	11/16/2022	DLC
2-Hexanone	EPA-8260	U	UG/KG	50	11/16/2022	DLC
Tetrachloroethylene	EPA-8260	U	UG/KG	1.5	11/16/2022	DLC
1,2-Dibromoethane	EPA-8260	U	UG/KG	5.0	11/16/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	UG/KG	10	11/16/2022	DLC
Ethylbenzene	EPA-8260	U	UG/KG	10	11/16/2022	DLC
Isopropylbenzene	EPA-8260	U	UG/KG	10	11/16/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	UG/KG	1.5	11/16/2022	DLC
N-Propyl Benzene	EPA-8260	U	UG/KG	10	11/16/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	UG/KG	10	11/16/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	UG/KG	10	11/16/2022	DLC
S-Butyl Benzene	EPA-8260	U	UG/KG	10	11/16/2022	DLC
P-Isopropyltoluene	EPA-8260	U	UG/KG	10	11/16/2022	DLC
Naphthalene	EPA-8260	U	UG/KG	10	11/16/2022	DLC
Xylenes	EPA-8260	U	UG/KG	20	11/16/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	11/22/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110084
CLIENT PROJECT:	TECT R1 - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY BLANK RESULTS

MB-111722W - Batch 186401 - Water by EPA-8260

ANALYTE	METHOD	RESULTS	UNITS	REPORTING	ANALYSIS	ANALYSIS
				LIMITS	DATE	BY
Vinyl Chloride	EPA-8260	U	UG/L	0.020	11/18/2022	DLC
Chloroethane	EPA-8260	U	UG/L	2.0	11/18/2022	DLC
Carbon Tetrachloride	EPA-8260	U	UG/L	0.50	11/18/2022	DLC
Carbon Disulfide	EPA-8260	U	UG/L	2.0	11/18/2022	DLC
Acetone	EPA-8260	U	UG/L	25	11/18/2022	DLC
1,1-Dichloroethene	EPA-8260	U	UG/L	2.0	11/18/2022	DLC
Methylene Chloride	EPA-8260	U	UG/L	5.0	11/18/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	UG/L	2.0	11/18/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	UG/L	2.0	11/18/2022	DLC
1,1-Dichloroethane	EPA-8260	U	UG/L	2.0	11/18/2022	DLC
2-Butanone	EPA-8260	U	UG/L	10	11/18/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	UG/L	2.0	11/18/2022	DLC
Chloroform	EPA-8260	U	UG/L	0.50	11/18/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	UG/L	2.0	11/18/2022	DLC
1,2-Dichloroethane	EPA-8260	U	UG/L	0.020	11/18/2022	DLC
Benzene	EPA-8260	U	UG/L	0.50	11/18/2022	DLC
Trichloroethene	EPA-8260	U	UG/L	0.50	11/18/2022	DLC
1,2-Dichloropropane	EPA-8260	U	UG/L	0.50	11/18/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	UG/L	10	11/18/2022	DLC
Toluene	EPA-8260	U	UG/L	2.0	11/18/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	UG/L	0.50	11/18/2022	DLC
2-Hexanone	EPA-8260	U	UG/L	10	11/18/2022	DLC
Tetrachloroethylene	EPA-8260	U	UG/L	2.0	11/18/2022	DLC
1,2-Dibromoethane	EPA-8260	U	UG/L	0.010	11/18/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	UG/L	0.50	11/18/2022	DLC
Ethylbenzene	EPA-8260	U	UG/L	2.0	11/18/2022	DLC
Isopropylbenzene	EPA-8260	U	UG/L	2.0	11/18/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	UG/L	0.50	11/18/2022	DLC
N-Propyl Benzene	EPA-8260	U	UG/L	2.0	11/18/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	UG/L	2.0	11/18/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	UG/L	2.0	11/18/2022	DLC
S-Butyl Benzene	EPA-8260	U	UG/L	2.0	11/18/2022	DLC
P-Isopropyltoluene	EPA-8260	U	UG/L	2.0	11/18/2022	DLC
Naphthalene	EPA-8260	U	UG/L	2.0	11/18/2022	DLC
Xylenes	EPA-8260	U	UG/L	2.0	11/18/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	11/22/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110084
CLIENT PROJECT:	TECT R1 - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 186453 - Soil by EPA-8260

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Vinyl Chloride - BS	EPA-8260	94.7			50	150	11/16/2022	DLC
Vinyl Chloride - BSD	EPA-8260	96.0	1		50	150	11/16/2022	DLC
Chloroethane - BS	EPA-8260	96.0			50	150	11/16/2022	DLC
Chloroethane - BSD	EPA-8260	95.9	0		50	150	11/16/2022	DLC
Carbon Tetrachloride - BS	EPA-8260	111			50	150	11/16/2022	DLC
Carbon Tetrachloride - BSD	EPA-8260	114	3		50	150	11/16/2022	DLC
Carbon Disulfide - BS	EPA-8260	98.3			50	150	11/16/2022	DLC
Carbon Disulfide - BSD	EPA-8260	99.1	1		50	150	11/16/2022	DLC
Acetone - BS	EPA-8260	136			50	150	11/16/2022	DLC
Acetone - BSD	EPA-8260	139	2		50	150	11/16/2022	DLC
1,1-Dichloroethene - BS	EPA-8260	100			70	130	11/16/2022	DLC
1,1-Dichloroethene - BSD	EPA-8260	102	2		70	130	11/16/2022	DLC
Methylene Chloride - BS	EPA-8260	82.0			50	150	11/16/2022	DLC
Methylene Chloride - BSD	EPA-8260	87.1	6		50	150	11/16/2022	DLC
Methyl T-Butyl Ether - BS	EPA-8260	104			50	150	11/16/2022	DLC
Methyl T-Butyl Ether - BSD	EPA-8260	104	0		50	150	11/16/2022	DLC
Trans-1,2-Dichloroethene - BS	EPA-8260	106			50	150	11/16/2022	DLC
Trans-1,2-Dichloroethene - BSD	EPA-8260	110	4		50	150	11/16/2022	DLC
1,1-Dichloroethane - BS	EPA-8260	104			50	150	11/16/2022	DLC
1,1-Dichloroethane - BSD	EPA-8260	104	0		50	150	11/16/2022	DLC
2-Butanone - BS	EPA-8260	120			50	150	11/16/2022	DLC
2-Butanone - BSD	EPA-8260	122	1		50	150	11/16/2022	DLC
Cis-1,2-Dichloroethene - BS	EPA-8260	105			50	150	11/16/2022	DLC
Cis-1,2-Dichloroethene - BSD	EPA-8260	107	2		50	150	11/16/2022	DLC
Chloroform - BS	EPA-8260	104			50	150	11/16/2022	DLC
Chloroform - BSD	EPA-8260	105	1		50	150	11/16/2022	DLC
1,1,1-Trichloroethane - BS	EPA-8260	105			50	150	11/16/2022	DLC
1,1,1-Trichloroethane - BSD	EPA-8260	108	2		50	150	11/16/2022	DLC
1,2-Dichloroethane - BS	EPA-8260	102			50	150	11/16/2022	DLC
1,2-Dichloroethane - BSD	EPA-8260	100	2		50	150	11/16/2022	DLC
Benzene - BS	EPA-8260	96.0			75	138	11/16/2022	DLC
Benzene - BSD	EPA-8260	95.4	1		75	138	11/16/2022	DLC
Trichloroethene - BS	EPA-8260	102			75	136	11/16/2022	DLC
Trichloroethene - BSD	EPA-8260	101	1		75	136	11/16/2022	DLC
1,2-Dichloropropane - BS	EPA-8260	102			50	150	11/16/2022	DLC
1,2-Dichloropropane - BSD	EPA-8260	98.7	3		50	150	11/16/2022	DLC
4-Methyl-2-Pentanone - BS	EPA-8260	102			50	150	11/16/2022	DLC
4-Methyl-2-Pentanone - BSD	EPA-8260	97.7	5		50	150	11/16/2022	DLC
Toluene - BS	EPA-8260	100			71.6	122.1	11/16/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	11/22/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110084
CLIENT PROJECT:	TECT R1 - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Toluene - BSD	EPA-8260	98.4	2		71.6	122.1	11/16/2022	DLC
1,1,2-Trichloroethane - BS	EPA-8260	99.9			50	150	11/16/2022	DLC
1,1,2-Trichloroethane - BSD	EPA-8260	99.9	0		50	150	11/16/2022	DLC
2-Hexanone - BS	EPA-8260	113			50	150	11/16/2022	DLC
2-Hexanone - BSD	EPA-8260	115	3		50	150	11/16/2022	DLC
Tetrachloroethylene - BS	EPA-8260	123			50	150	11/16/2022	DLC
Tetrachloroethylene - BSD	EPA-8260	139	12		50	150	11/16/2022	DLC
1,2-Dibromoethane - BS	EPA-8260	103			50	150	11/16/2022	DLC
1,2-Dibromoethane - BSD	EPA-8260	102	1		50	150	11/16/2022	DLC
1,1,1,2-Tetrachloroethane - BS	EPA-8260	106			50	150	11/16/2022	DLC
1,1,1,2-Tetrachloroethane - BSD	EPA-8260	106	0		50	150	11/16/2022	DLC
Ethylbenzene - BS	EPA-8260	102			50	150	11/16/2022	DLC
Ethylbenzene - BSD	EPA-8260	99.6	2		50	150	11/16/2022	DLC
Isopropylbenzene - BS	EPA-8260	103			50	150	11/16/2022	DLC
Isopropylbenzene - BSD	EPA-8260	103	0		50	150	11/16/2022	DLC
1,1,2,2-Tetrachloroethane - BS	EPA-8260	91.6			50	150	11/16/2022	DLC
1,1,2,2-Tetrachloroethane - BSD	EPA-8260	89.5	2		50	150	11/16/2022	DLC
N-Propyl Benzene - BS	EPA-8260	92.3			50	150	11/16/2022	DLC
N-Propyl Benzene - BSD	EPA-8260	92.8	0		50	150	11/16/2022	DLC
1,3,5-Trimethylbenzene - BS	EPA-8260	96.8			50	150	11/16/2022	DLC
1,3,5-Trimethylbenzene - BSD	EPA-8260	96.2	1		50	150	11/16/2022	DLC
1,2,4-Trimethylbenzene - BS	EPA-8260	94.6			50	150	11/16/2022	DLC
1,2,4-Trimethylbenzene - BSD	EPA-8260	92.5	2		50	150	11/16/2022	DLC
S-Butyl Benzene - BS	EPA-8260	96.3			50	150	11/16/2022	DLC
S-Butyl Benzene - BSD	EPA-8260	95.6	1		50	150	11/16/2022	DLC
P-Isopropyltoluene - BS	EPA-8260	99.7			50	150	11/16/2022	DLC
P-Isopropyltoluene - BSD	EPA-8260	98.6	1		50	150	11/16/2022	DLC
Naphthalene - BS	EPA-8260	98.7			50	150	11/16/2022	DLC
Naphthalene - BSD	EPA-8260	102	3		50	150	11/16/2022	DLC

ALS Test Batch ID: 186401 - Water by EPA-8260

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Vinyl Chloride - BS	EPA-8260	120			50	150	11/18/2022	DLC
Vinyl Chloride - BSD	EPA-8260	107	12		50	150	11/18/2022	DLC
Chloroethane - BS	EPA-8260	117			50	150	11/18/2022	DLC
Chloroethane - BSD	EPA-8260	105	11		50	150	11/18/2022	DLC
Carbon Tetrachloride - BS	EPA-8260	125			50	150	11/18/2022	DLC
Carbon Tetrachloride - BSD	EPA-8260	111	12		50	150	11/18/2022	DLC
Carbon Disulfide - BS	EPA-8260	115			50	150	11/18/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT: Landau Associates, Inc.
 155 NE 100th St, Ste 302
 Seattle, WA 98125

CLIENT CONTACT: Stephanie Renando
 CLIENT PROJECT: TECT R1 - 222057.040.043

DATE: 11/22/2022
 ALS SDG#: EV22110084
 WDOE ACCREDITATION: C601

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Carbon Disulfide - BSD	EPA-8260	103	11		50	150	11/18/2022	DLC
Acetone - BS	EPA-8260	85.4			50	150	11/18/2022	DLC
Acetone - BSD	EPA-8260	101	17		50	150	11/18/2022	DLC
1,1-Dichloroethene - BS	EPA-8260	117			72.5	136	11/18/2022	DLC
1,1-Dichloroethene - BSD	EPA-8260	105	11		72.5	136	11/18/2022	DLC
Methylene Chloride - BS	EPA-8260	116			50	150	11/18/2022	DLC
Methylene Chloride - BSD	EPA-8260	109	6		50	150	11/18/2022	DLC
Methyl T-Butyl Ether - BS	EPA-8260	112			50	150	11/18/2022	DLC
Methyl T-Butyl Ether - BSD	EPA-8260	104	7		50	150	11/18/2022	DLC
Trans-1,2-Dichloroethene - BS	EPA-8260	117			50	150	11/18/2022	DLC
Trans-1,2-Dichloroethene - BSD	EPA-8260	105	11		50	150	11/18/2022	DLC
1,1-Dichloroethane - BS	EPA-8260	117			50	150	11/18/2022	DLC
1,1-Dichloroethane - BSD	EPA-8260	106	10		50	150	11/18/2022	DLC
2-Butanone - BS	EPA-8260	92.2			50	150	11/18/2022	DLC
2-Butanone - BSD	EPA-8260	95.5	4		50	150	11/18/2022	DLC
Cis-1,2-Dichloroethene - BS	EPA-8260	117			50	150	11/18/2022	DLC
Cis-1,2-Dichloroethene - BSD	EPA-8260	106	10		50	150	11/18/2022	DLC
Chloroform - BS	EPA-8260	113			50	150	11/18/2022	DLC
Chloroform - BSD	EPA-8260	101	11		50	150	11/18/2022	DLC
1,1,1-Trichloroethane - BS	EPA-8260	120			50	150	11/18/2022	DLC
1,1,1-Trichloroethane - BSD	EPA-8260	107	12		50	150	11/18/2022	DLC
1,2-Dichloroethane - BS	EPA-8260	110			50	150	11/18/2022	DLC
1,2-Dichloroethane - BSD	EPA-8260	103	7		50	150	11/18/2022	DLC
Benzene - BS	EPA-8260	112			74.7	143	11/18/2022	DLC
Benzene - BSD	EPA-8260	102	10		74.7	143	11/18/2022	DLC
Trichloroethene - BS	EPA-8260	112			74.4	141	11/18/2022	DLC
Trichloroethene - BSD	EPA-8260	103	8		74.4	141	11/18/2022	DLC
1,2-Dichloropropane - BS	EPA-8260	118			50	150	11/18/2022	DLC
1,2-Dichloropropane - BSD	EPA-8260	108	9		50	150	11/18/2022	DLC
4-Methyl-2-Pentanone - BS	EPA-8260	108			50	150	11/18/2022	DLC
4-Methyl-2-Pentanone - BSD	EPA-8260	101	6		50	150	11/18/2022	DLC
Toluene - BS	EPA-8260	117			71.7	139	11/18/2022	DLC
Toluene - BSD	EPA-8260	107	10		71.7	139	11/18/2022	DLC
1,1,2-Trichloroethane - BS	EPA-8260	113			50	150	11/18/2022	DLC
1,1,2-Trichloroethane - BSD	EPA-8260	105	7		50	150	11/18/2022	DLC
2-Hexanone - BS	EPA-8260	94.7			50	150	11/18/2022	DLC
2-Hexanone - BSD	EPA-8260	92.1	3		50	150	11/18/2022	DLC
Tetrachloroethylene - BS	EPA-8260	97.2			50	150	11/18/2022	DLC
Tetrachloroethylene - BSD	EPA-8260	108	11		50	150	11/18/2022	DLC
1,2-Dibromoethane - BS	EPA-8260	118			50	150	11/18/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT: Landau Associates, Inc.
 155 NE 100th St, Ste 302
 Seattle, WA 98125

CLIENT CONTACT: Stephanie Renando
 CLIENT PROJECT: TECT R1 - 222057.040.043

DATE: 11/22/2022
 ALS SDG#: EV22110084
 WDOE ACCREDITATION: C601

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
1,2-Dibromoethane - BSD	EPA-8260	110	7		50	150	11/18/2022	DLC
1,1,1,2-Tetrachloroethane - BS	EPA-8260	113			50	150	11/18/2022	DLC
1,1,1,2-Tetrachloroethane - BSD	EPA-8260	104	8		50	150	11/18/2022	DLC
Ethylbenzene - BS	EPA-8260	117			50	150	11/18/2022	DLC
Ethylbenzene - BSD	EPA-8260	106	10		50	150	11/18/2022	DLC
Isopropylbenzene - BS	EPA-8260	116			50	150	11/18/2022	DLC
Isopropylbenzene - BSD	EPA-8260	106	10		50	150	11/18/2022	DLC
1,1,2,2-Tetrachloroethane - BS	EPA-8260	102			50	150	11/18/2022	DLC
1,1,2,2-Tetrachloroethane - BSD	EPA-8260	92.6	9		50	150	11/18/2022	DLC
N-Propyl Benzene - BS	EPA-8260	110			50	150	11/18/2022	DLC
N-Propyl Benzene - BSD	EPA-8260	100	9		50	150	11/18/2022	DLC
1,3,5-Trimethylbenzene - BS	EPA-8260	111			50	150	11/18/2022	DLC
1,3,5-Trimethylbenzene - BSD	EPA-8260	102	9		50	150	11/18/2022	DLC
1,2,4-Trimethylbenzene - BS	EPA-8260	108			50	150	11/18/2022	DLC
1,2,4-Trimethylbenzene - BSD	EPA-8260	98.4	9		50	150	11/18/2022	DLC
S-Butyl Benzene - BS	EPA-8260	111			50	150	11/18/2022	DLC
S-Butyl Benzene - BSD	EPA-8260	101	9		50	150	11/18/2022	DLC
P-Isopropyltoluene - BS	EPA-8260	110			50	150	11/18/2022	DLC
P-Isopropyltoluene - BSD	EPA-8260	100	9		50	150	11/18/2022	DLC
Naphthalene - BS	EPA-8260	97.6			50	150	11/18/2022	DLC
Naphthalene - BSD	EPA-8260	92.8	5		50	150	11/18/2022	DLC
Xylenes - BS	EPA-8260	117			50	150	11/18/2022	DLC
Xylenes - BSD	EPA-8260	106	9		50	150	11/18/2022	DLC

APPROVED BY

Professional Scientist

Chain-of-Custody Record

EV22110084

- North Seattle (206) 631-8660
- Tacoma (253) 926-2493
- Olympia (360) 791-3178

- Spokane (509) 327-9737
- Portland (503) 542-1080

Date 11/14/22 Page 1 of 1

Turnaround Time: Standard Accelerated

Project Name TECT R1 Project No. 222057.040 043
 Project Location/Event Erect #, WA/ Phase III
 Sampler's Name Kalpana Prasad
 Project Contact Stephanie Penabad
 Send Results To S. Penabad, Jerry Nireteman, data@landau.com

Testing Parameters

VOCs (8260)
 TOL (D4124-034)
 Grain Size
 PID Readings (ppm)

Special Handling Requirements:

Shipment Method: drop off

Stored on ice: Yes / No

in pres vials on dry ice

Observations/Comments

- Allow water samples to settle, collect aliquot from clear portion
- NWTPH-Dx - Acid wash cleanup
- Silica gel cleanup
- Dissolved metal samples were field filtered

Other Hold until CN notified

Client called and added VOC to 1 & 2.

- CN 11/14/22

Sample I.D.	Date	Time	Matrix	No. of Containers	
1 Trip Blanks			AQ	2	
2 RIDW-5-(136-137')	11/11/22	1745	Soil	6	<input checked="" type="checkbox"/> CN <input checked="" type="checkbox"/> DPK

Relinquished by [Signature]
 Signature Devon King
 Printed Name Devon King
 Company Landau Associates
 Date 11/14/22 Time 0902

Received by [Signature]
 Signature Glen Perry
 Printed Name Glen Perry
 Company ALS
 Date 11/14/22 Time 0902

Relinquished by
 Signature
 Printed Name
 Company
 Date Time

Received by
 Signature
 Printed Name
 Company
 Date Time

ALS ENVIRONMENTAL

Sample Receiving Checklist

Client: Landau

ALS Job #: FV22110084

Project: PECT RI

Received Date: 11/14/22 Received Time: 9:02 AM By: JAP

Type of shipping container: Cooler Box Other

Shipped via: FedEx Ground UPS Mail Courier Hand Delivered
FedEx Express

	<u>Yes</u>	<u>No</u>	<u>N/A</u>
Were custody seals on outside of shipping container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
If yes, how many? _____ Where? _____			
Custody seal date: _____ Seal name: _____			

Was Chain of Custody properly filled out (ink, signed, dated, etc.)?

Did all bottles have labels?

Did all bottle labels and tags agree with Chain of Custody?

Were samples received within hold time?

Did all bottles arrive in good condition (unbroken, etc.)?

Was sufficient amount of sample sent for the tests indicated?

Was correct preservation added to samples?

If no, Sample Control added preservative to the following:

<u>Sample Number</u>	<u>Reagent</u>	<u>Analyte</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

1 Low kit.

Were VOA vials checked for absence of air bubbles?
Bubbles present in sample #: _____

Temperature of cooler upon receipt: 40°C / -10°C Cold Cool Ambient N/A
on Ice / Dry Ice

Explain any discrepancies: _____

Was client contacted? _____ Who was called? _____ By whom? _____ Date: _____

Outcome of call: _____



December 7, 2022

Ms. Stephanie Renando
Landau Associates, Inc.
155 NE 100th St, Ste 302
Seattle, WA 98125

Dear Ms. Renando,

On November 14th, 1 sample was received by our laboratory and assigned our laboratory project number EV22110087. The project was identified as your TECT RI - 222057.040.043. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Carl Nott
Professional Scientist



CERTIFICATE OF ANALYSIS

CLIENT: Landau Associates, Inc. DATE: 12/7/2022
155 NE 100th St, Ste 302 ALS JOB#: EV22110087
Seattle, WA 98125 ALS SAMPLE#: EV22110087-01
CLIENT CONTACT: Stephanie Renando DATE RECEIVED: 11/14/2022
CLIENT PROJECT: TECT RI - 222057.040.043 COLLECTION DATE: 11/14/2022 2:00:00 PM
CLIENT SAMPLE ID: RIDW-5-(147-148') WDOE ACCREDITATION: C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Total Organic Carbon (TOC)	ASTM D4129-05M	0.054	0.050	1	%	12/06/2022	CAS



CERTIFICATE OF ANALYSIS

CLIENT: Landau Associates, Inc. DATE: 12/7/2022
155 NE 100th St, Ste 302 ALS SDG#: EV22110087
Seattle, WA 98125 WDOE ACCREDITATION: C601
CLIENT CONTACT: Stephanie Renando
CLIENT PROJECT: TECT RI - 222057.040.043

LABORATORY BLANK RESULTS

MBLK-R423413 - Batch R423413 - Soil by ASTM D4129-05M

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Total Organic Carbon (TOC)	ASTM D4129-05M	U	%	0.050	12/06/2022	CAS

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT: Landau Associates, Inc. DATE: 12/7/2022
155 NE 100th St, Ste 302 ALS SDG#: EV22110087
Seattle, WA 98125 WDOE ACCREDITATION: C601
CLIENT CONTACT: Stephanie Renando
CLIENT PROJECT: TECT RI - 222057.040.043

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: R423413 - Soil by ASTM D4129-05M

Table with 5 columns: SPIKED COMPOUND, METHOD, %REC, RPD, QUAL, LIMITS (MIN, MAX), ANALYSIS DATE, ANALYSIS BY. Row 1: Total Organic Carbon (TOC) - BS, ASTM D4129-05M, 100, 72, 122, 12/06/2022, CAS

APPROVED BY

Handwritten signature of Carl H. [unclear]

Professional Scientist

ALS Group USA, Corp.

dba ALS Environmental

Analytical Report

Client: ALS Environmental - US
Project: EV22110087
Sample Matrix: Soil

Service Request: K2213742
Date Collected: 11/14/22
Date Received: 11/18/22
Date Analyzed: 11/30/22

Particle Size Determination
 ASTM D422M

Sample Name: EV22110087-01
 Lab Code: K2213742-001

Sand Fraction: Weight (Grams) 23.9358
 Sand Fraction: Weight Recovered (Grams) 23.9298
 Sand Fraction: Percent Recovery 99.97

Weight as received (Grams)	30.139
Percent Solids	92.1
Weight Oven-Dried (Grams)	27.7580

Description	Sieve Size	Sieve Number	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel, Medium	4.75 mm	4	2.5860	9.32
Gravel, Fine	2.00 mm	10	5.7542	20.73
Sand, Very Coarse	0.850 mm	20	6.2651	22.57
Sand, Coarse	0.425 mm	40	5.3257	19.19
Sand, Medium	0.250 mm	60	2.0916	7.54
Sand, Fine	0.106 mm	140	1.5013	5.41
Sand, Very Fine	0.075 mm	200	0.3795	1.37
Silt			2.3500	8.47
Clay			0.9600	3.46
Total			27.2134	98.06

ALS ENVIRONMENTAL

Sample Receiving Checklist

Client: Landau Associates

ALS Job #: Ev22110087

Project: Tect R1

Received Date: 11-14-22 Received Time: 4:30 By: MH

Type of shipping container: Cooler Box Other

Shipped via: FedEx Ground UPS Mail Courier Hand Delivered
FedEx Express

	<u>Yes</u>	<u>No</u>	<u>N/A</u>
Were custody seals on outside of shipping container?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
If yes, how many? <u> </u> Where? <u> </u>			
Custody seal date: <u> </u> Seal name: <u> </u>			

Was Chain of Custody properly filled out (ink, signed, dated, etc.)?

Did all bottles have labels?

Did all bottle labels and tags agree with Chain of Custody?

Were samples received within hold time?

Did all bottles arrive in good condition (unbroken, etc.)?

Was sufficient amount of sample sent for the tests indicated?

Was correct preservation added to samples?

If no, Sample Control added preservative to the following:

<u>Sample Number</u>	<u>Reagent</u>	<u>Analyte</u>
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>

Were VOA vials checked for absence of air bubbles?

Bubbles present in sample #:

Temperature of cooler upon receipt: 7.6°C Ice Cold Cool Ambient N/A

Explain any discrepancies:

Was client contacted? Who was called? By whom? Date:

Outcome of call:



December 7, 2022

Ms. Stephanie Renando
Landau Associates, Inc.
155 NE 100th St, Ste 302
Seattle, WA 98125

Dear Ms. Renando,

On November 16th, 3 samples were received by our laboratory and assigned our laboratory project number EV22110098. The project was identified as your TECT RI - 222057.040.043. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Glen Perry
Laboratory Director



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/7/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110098
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110098-01
CLIENT SAMPLE ID	RIDW-6-(25-26')	DATE RECEIVED:	11/16/2022
		COLLECTION DATE:	11/15/2022 4:00:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
Vinyl Chloride	EPA-8260	U	0.050	1	UG/KG	11/17/2022	DLC
Chloroethane	EPA-8260	U	10	1	UG/KG	11/17/2022	DLC
Carbon Tetrachloride	EPA-8260	U	1.5	1	UG/KG	11/17/2022	DLC
Carbon Disulfide	EPA-8260	U	10	1	UG/KG	11/17/2022	DLC
Acetone	EPA-8260	U	50	1	UG/KG	11/17/2022	DLC
1,1-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	11/17/2022	DLC
Methylene Chloride	EPA-8260	U	1.5	1	UG/KG	11/17/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	1.5	1	UG/KG	11/17/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	11/17/2022	DLC
1,1-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	11/17/2022	DLC
2-Butanone	EPA-8260	U	50	1	UG/KG	11/17/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	11/17/2022	DLC
Chloroform	EPA-8260	U	1.5	1	UG/KG	11/17/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	10	1	UG/KG	11/17/2022	DLC
1,2-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	11/17/2022	DLC
Benzene	EPA-8260	U	1.5	1	UG/KG	11/17/2022	DLC
Trichloroethene	EPA-8260	U	1.5	1	UG/KG	11/17/2022	DLC
1,2-Dichloropropane	EPA-8260	U	1.5	1	UG/KG	11/17/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	50	1	UG/KG	11/17/2022	DLC
Toluene	EPA-8260	U	10	1	UG/KG	11/17/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	1.5	1	UG/KG	11/17/2022	DLC
2-Hexanone	EPA-8260	U	50	1	UG/KG	11/17/2022	DLC
Tetrachloroethylene	EPA-8260	U	1.5	1	UG/KG	11/17/2022	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	11/17/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	11/17/2022	DLC
Ethylbenzene	EPA-8260	U	10	1	UG/KG	11/17/2022	DLC
Isopropylbenzene	EPA-8260	U	10	1	UG/KG	11/17/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	1.5	1	UG/KG	11/17/2022	DLC
N-Propyl Benzene	EPA-8260	U	10	1	UG/KG	11/17/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	11/17/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	11/17/2022	DLC
S-Butyl Benzene	EPA-8260	U	10	1	UG/KG	11/17/2022	DLC
P-Isopropyltoluene	EPA-8260	U	10	1	UG/KG	11/17/2022	DLC
Naphthalene	EPA-8260	U	10	1	UG/KG	11/17/2022	DLC
Xylenes	EPA-8260	U	20	1	UG/KG	11/17/2022	DLC
Total Organic Carbon (TOC)	ASTM D4129-05M	0.11	0.050	1	%	12/06/2022	CAS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
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CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/7/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110098
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110098-01
CLIENT SAMPLE ID	RIDW-6-(25-26')	DATE RECEIVED:	11/16/2022
		COLLECTION DATE:	11/15/2022 4:00:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
1,2-Dichloroethane-d4	EPA-8260	104	11/17/2022	DLC
Toluene-d8	EPA-8260	100	11/17/2022	DLC
4-Bromofluorobenzene	EPA-8260	100	11/17/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/7/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110098
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110098-02
CLIENT SAMPLE ID	RIDW-6-(56-57')	DATE RECEIVED:	11/16/2022
		COLLECTION DATE:	11/15/2022 4:30:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
Vinyl Chloride	EPA-8260	U	0.050	1	UG/KG	11/17/2022	DLC
Chloroethane	EPA-8260	U	10	1	UG/KG	11/17/2022	DLC
Carbon Tetrachloride	EPA-8260	U	1.5	1	UG/KG	11/17/2022	DLC
Carbon Disulfide	EPA-8260	U	10	1	UG/KG	11/17/2022	DLC
Acetone	EPA-8260	U	50	1	UG/KG	11/17/2022	DLC
1,1-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	11/17/2022	DLC
Methylene Chloride	EPA-8260	U	1.5	1	UG/KG	11/17/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	1.5	1	UG/KG	11/17/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	11/17/2022	DLC
1,1-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	11/17/2022	DLC
2-Butanone	EPA-8260	U	50	1	UG/KG	11/17/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	11/17/2022	DLC
Chloroform	EPA-8260	U	1.5	1	UG/KG	11/17/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	10	1	UG/KG	11/17/2022	DLC
1,2-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	11/17/2022	DLC
Benzene	EPA-8260	U	1.5	1	UG/KG	11/17/2022	DLC
Trichloroethene	EPA-8260	U	1.5	1	UG/KG	11/17/2022	DLC
1,2-Dichloropropane	EPA-8260	U	1.5	1	UG/KG	11/17/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	50	1	UG/KG	11/17/2022	DLC
Toluene	EPA-8260	U	10	1	UG/KG	11/17/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	1.5	1	UG/KG	11/17/2022	DLC
2-Hexanone	EPA-8260	U	50	1	UG/KG	11/17/2022	DLC
Tetrachloroethylene	EPA-8260	U	1.5	1	UG/KG	11/17/2022	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	11/17/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	11/17/2022	DLC
Ethylbenzene	EPA-8260	U	10	1	UG/KG	11/17/2022	DLC
Isopropylbenzene	EPA-8260	U	10	1	UG/KG	11/17/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	1.5	1	UG/KG	11/17/2022	DLC
N-Propyl Benzene	EPA-8260	U	10	1	UG/KG	11/17/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	11/17/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	11/17/2022	DLC
S-Butyl Benzene	EPA-8260	U	10	1	UG/KG	11/17/2022	DLC
P-Isopropyltoluene	EPA-8260	U	10	1	UG/KG	11/17/2022	DLC
Naphthalene	EPA-8260	U	10	1	UG/KG	11/17/2022	DLC
Xylenes	EPA-8260	U	20	1	UG/KG	11/17/2022	DLC
Total Organic Carbon (TOC)	ASTM D4129-05M	0.052	0.050	1	%	12/06/2022	CAS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
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CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/7/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110098
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110098-02
CLIENT SAMPLE ID	RIDW-6-(56-57')	DATE RECEIVED:	11/16/2022
		COLLECTION DATE:	11/15/2022 4:30:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

SURROGATE	METHOD	%REC	ANALYSIS ANALYSIS	
			DATE	BY
1,2-Dichloroethane-d4	EPA-8260	104	11/17/2022	DLC
Toluene-d8	EPA-8260	100	11/17/2022	DLC
4-Bromofluorobenzene	EPA-8260	102	11/17/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/7/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110098
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110098-03
CLIENT SAMPLE ID	Trip Blanks	DATE RECEIVED:	11/16/2022
		COLLECTION DATE:	11/15/2022
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
Vinyl Chloride	EPA-8260	U	0.020	1	UG/L	11/18/2022	DLC
Chloroethane	EPA-8260	U	2.0	1	UG/L	11/18/2022	DLC
Carbon Tetrachloride	EPA-8260	U	0.50	1	UG/L	11/18/2022	DLC
Carbon Disulfide	EPA-8260	U	2.0	1	UG/L	11/18/2022	DLC
Acetone	EPA-8260	U	25	1	UG/L	11/18/2022	DLC
1,1-Dichloroethene	EPA-8260	U	2.0	1	UG/L	11/18/2022	DLC
Methylene Chloride	EPA-8260	U	5.0	1	UG/L	11/18/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	2.0	1	UG/L	11/18/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	11/18/2022	DLC
1,1-Dichloroethane	EPA-8260	U	2.0	1	UG/L	11/18/2022	DLC
2-Butanone	EPA-8260	U	10	1	UG/L	11/18/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	11/18/2022	DLC
Chloroform	EPA-8260	U	0.50	1	UG/L	11/18/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	2.0	1	UG/L	11/18/2022	DLC
1,2-Dichloroethane	EPA-8260	U	0.020	1	UG/L	11/18/2022	DLC
Benzene	EPA-8260	U	0.50	1	UG/L	11/18/2022	DLC
Trichloroethene	EPA-8260	U	0.50	1	UG/L	11/18/2022	DLC
1,2-Dichloropropane	EPA-8260	U	0.50	1	UG/L	11/18/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	10	1	UG/L	11/18/2022	DLC
Toluene	EPA-8260	U	2.0	1	UG/L	11/18/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	0.50	1	UG/L	11/18/2022	DLC
2-Hexanone	EPA-8260	U	10	1	UG/L	11/18/2022	DLC
Tetrachloroethylene	EPA-8260	U	2.0	1	UG/L	11/18/2022	DLC
1,2-Dibromoethane	EPA-8260	U	0.010	1	UG/L	11/18/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	0.50	1	UG/L	11/18/2022	DLC
Ethylbenzene	EPA-8260	U	2.0	1	UG/L	11/18/2022	DLC
Isopropylbenzene	EPA-8260	U	2.0	1	UG/L	11/18/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	0.50	1	UG/L	11/18/2022	DLC
N-Propyl Benzene	EPA-8260	U	2.0	1	UG/L	11/18/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	11/18/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	11/18/2022	DLC
S-Butyl Benzene	EPA-8260	U	2.0	1	UG/L	11/18/2022	DLC
P-Isopropyltoluene	EPA-8260	U	2.0	1	UG/L	11/18/2022	DLC
Naphthalene	EPA-8260	U	2.0	1	UG/L	11/18/2022	DLC
Xylenes	EPA-8260	U	2.0	1	UG/L	11/18/2022	DLC

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
1,2-Dichloroethane-d4	EPA-8260	105	11/18/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT: Landau Associates, Inc. DATE: 12/7/2022
155 NE 100th St, Ste 302 ALS JOB#: EV22110098
Seattle, WA 98125 ALS SAMPLE#: EV22110098-03
CLIENT CONTACT: Stephanie Renando DATE RECEIVED: 11/16/2022
CLIENT PROJECT: TECT RI - 222057.040.043 COLLECTION DATE: 11/15/2022
CLIENT SAMPLE ID Trip Blanks WDOE ACCREDITATION: C601

SAMPLE DATA RESULTS

SURROGATE	METHOD	%REC	ANALYSIS	
			DATE	BY
Toluene-d8	EPA-8260	101	11/18/2022	DLC
4-Bromofluorobenzene	EPA-8260	124 GS4	11/18/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.
GS4 - Surrogate outside of control limits with a high bias. Associated compounds non-detect. No corrective action taken.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/7/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110098
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY BLANK RESULTS

MB-111722S - Batch 186454 - Soil by EPA-8260

ANALYTE	METHOD	RESULTS	UNITS	REPORTING	ANALYSIS	ANALYSIS
				LIMITS	DATE	BY
Vinyl Chloride	EPA-8260	U	UG/KG	0.050	11/17/2022	DLC
Chloroethane	EPA-8260	U	UG/KG	10	11/17/2022	DLC
Carbon Tetrachloride	EPA-8260	U	UG/KG	1.5	11/17/2022	DLC
Carbon Disulfide	EPA-8260	U	UG/KG	10	11/17/2022	DLC
Acetone	EPA-8260	U	UG/KG	50	11/17/2022	DLC
1,1-Dichloroethene	EPA-8260	U	UG/KG	1.5	11/17/2022	DLC
Methylene Chloride	EPA-8260	U	UG/KG	2.3	11/17/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	UG/KG	1.5	11/17/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	UG/KG	10	11/17/2022	DLC
1,1-Dichloroethane	EPA-8260	U	UG/KG	1.5	11/17/2022	DLC
2-Butanone	EPA-8260	U	UG/KG	50	11/17/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	UG/KG	1.5	11/17/2022	DLC
Chloroform	EPA-8260	U	UG/KG	1.5	11/17/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	UG/KG	10	11/17/2022	DLC
1,2-Dichloroethane	EPA-8260	U	UG/KG	1.5	11/17/2022	DLC
Benzene	EPA-8260	U	UG/KG	1.5	11/17/2022	DLC
Trichloroethene	EPA-8260	U	UG/KG	1.5	11/17/2022	DLC
1,2-Dichloropropane	EPA-8260	U	UG/KG	1.5	11/17/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	UG/KG	50	11/17/2022	DLC
Toluene	EPA-8260	U	UG/KG	10	11/17/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	UG/KG	1.5	11/17/2022	DLC
2-Hexanone	EPA-8260	U	UG/KG	50	11/17/2022	DLC
Tetrachloroethylene	EPA-8260	U	UG/KG	1.5	11/17/2022	DLC
1,2-Dibromoethane	EPA-8260	U	UG/KG	5.0	11/17/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	UG/KG	10	11/17/2022	DLC
Ethylbenzene	EPA-8260	U	UG/KG	10	11/17/2022	DLC
Isopropylbenzene	EPA-8260	U	UG/KG	10	11/17/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	UG/KG	1.5	11/17/2022	DLC
N-Propyl Benzene	EPA-8260	U	UG/KG	10	11/17/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	UG/KG	10	11/17/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	UG/KG	10	11/17/2022	DLC
S-Butyl Benzene	EPA-8260	U	UG/KG	10	11/17/2022	DLC
P-Isopropyltoluene	EPA-8260	U	UG/KG	10	11/17/2022	DLC
Naphthalene	EPA-8260	U	UG/KG	10	11/17/2022	DLC
Xylenes	EPA-8260	U	UG/KG	20	11/17/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/7/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110098
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY BLANK RESULTS

MB-111722W - Batch 186401 - Water by EPA-8260

ANALYTE	METHOD	RESULTS	UNITS	REPORTING	ANALYSIS	ANALYSIS
				LIMITS	DATE	BY
Vinyl Chloride	EPA-8260	U	UG/L	0.020	11/18/2022	DLC
Chloroethane	EPA-8260	U	UG/L	2.0	11/18/2022	DLC
Carbon Tetrachloride	EPA-8260	U	UG/L	0.50	11/18/2022	DLC
Carbon Disulfide	EPA-8260	U	UG/L	2.0	11/18/2022	DLC
Acetone	EPA-8260	U	UG/L	25	11/18/2022	DLC
1,1-Dichloroethene	EPA-8260	U	UG/L	2.0	11/18/2022	DLC
Methylene Chloride	EPA-8260	U	UG/L	5.0	11/18/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	UG/L	2.0	11/18/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	UG/L	2.0	11/18/2022	DLC
1,1-Dichloroethane	EPA-8260	U	UG/L	2.0	11/18/2022	DLC
2-Butanone	EPA-8260	U	UG/L	10	11/18/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	UG/L	2.0	11/18/2022	DLC
Chloroform	EPA-8260	U	UG/L	0.50	11/18/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	UG/L	2.0	11/18/2022	DLC
1,2-Dichloroethane	EPA-8260	U	UG/L	0.020	11/18/2022	DLC
Benzene	EPA-8260	U	UG/L	0.50	11/18/2022	DLC
Trichloroethene	EPA-8260	U	UG/L	0.50	11/18/2022	DLC
1,2-Dichloropropane	EPA-8260	U	UG/L	0.50	11/18/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	UG/L	10	11/18/2022	DLC
Toluene	EPA-8260	U	UG/L	2.0	11/18/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	UG/L	0.50	11/18/2022	DLC
2-Hexanone	EPA-8260	U	UG/L	10	11/18/2022	DLC
Tetrachloroethylene	EPA-8260	U	UG/L	2.0	11/18/2022	DLC
1,2-Dibromoethane	EPA-8260	U	UG/L	0.010	11/18/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	UG/L	0.50	11/18/2022	DLC
Ethylbenzene	EPA-8260	U	UG/L	2.0	11/18/2022	DLC
Isopropylbenzene	EPA-8260	U	UG/L	2.0	11/18/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	UG/L	0.50	11/18/2022	DLC
N-Propyl Benzene	EPA-8260	U	UG/L	2.0	11/18/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	UG/L	2.0	11/18/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	UG/L	2.0	11/18/2022	DLC
S-Butyl Benzene	EPA-8260	U	UG/L	2.0	11/18/2022	DLC
P-Isopropyltoluene	EPA-8260	U	UG/L	2.0	11/18/2022	DLC
Naphthalene	EPA-8260	U	UG/L	2.0	11/18/2022	DLC
Xylenes	EPA-8260	U	UG/L	2.0	11/18/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT: Landau Associates, Inc. DATE: 12/7/2022
155 NE 100th St, Ste 302 ALS SDG#: EV22110098
Seattle, WA 98125 WDOE ACCREDITATION: C601
CLIENT CONTACT: Stephanie Renando
CLIENT PROJECT: TECT RI - 222057.040.043

LABORATORY BLANK RESULTS

MBLK-R423413 - Batch R423413 - Soil by ASTM D4129-05M

Table with 7 columns: ANALYTE, METHOD, RESULTS, UNITS, REPORTING LIMITS, ANALYSIS DATE, ANALYSIS BY. Row 1: Total Organic Carbon (TOC), ASTM D4129-05M, U, %, 0.050, 12/06/2022, CAS

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/7/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110098
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 186454 - Soil by EPA-8260

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Vinyl Chloride - BS	EPA-8260	89.5			50	150	11/17/2022	DLC
Vinyl Chloride - BSD	EPA-8260	89.5	0		50	150	11/17/2022	DLC
Chloroethane - BS	EPA-8260	91.7			50	150	11/17/2022	DLC
Chloroethane - BSD	EPA-8260	91.9	0		50	150	11/17/2022	DLC
Carbon Tetrachloride - BS	EPA-8260	97.3			50	150	11/17/2022	DLC
Carbon Tetrachloride - BSD	EPA-8260	97.4	0		50	150	11/17/2022	DLC
Carbon Disulfide - BS	EPA-8260	98.4			50	150	11/17/2022	DLC
Carbon Disulfide - BSD	EPA-8260	98.2	0		50	150	11/17/2022	DLC
Acetone - BS	EPA-8260	103			50	150	11/17/2022	DLC
Acetone - BSD	EPA-8260	79.2	26	SR1	50	150	11/17/2022	DLC
1,1-Dichloroethene - BS	EPA-8260	88.5			70	130	11/17/2022	DLC
1,1-Dichloroethene - BSD	EPA-8260	89.0	1		70	130	11/17/2022	DLC
Methylene Chloride - BS	EPA-8260	102			50	150	11/17/2022	DLC
Methylene Chloride - BSD	EPA-8260	94.0	8		50	150	11/17/2022	DLC
Methyl T-Butyl Ether - BS	EPA-8260	102			50	150	11/17/2022	DLC
Methyl T-Butyl Ether - BSD	EPA-8260	95.6	6		50	150	11/17/2022	DLC
Trans-1,2-Dichloroethene - BS	EPA-8260	98.4			50	150	11/17/2022	DLC
Trans-1,2-Dichloroethene - BSD	EPA-8260	94.4	4		50	150	11/17/2022	DLC
1,1-Dichloroethane - BS	EPA-8260	91.5			50	150	11/17/2022	DLC
1,1-Dichloroethane - BSD	EPA-8260	88.8	3		50	150	11/17/2022	DLC
2-Butanone - BS	EPA-8260	105			50	150	11/17/2022	DLC
2-Butanone - BSD	EPA-8260	76.3	32	SR1	50	150	11/17/2022	DLC
Cis-1,2-Dichloroethene - BS	EPA-8260	92.5			50	150	11/17/2022	DLC
Cis-1,2-Dichloroethene - BSD	EPA-8260	90.8	2		50	150	11/17/2022	DLC
Chloroform - BS	EPA-8260	95.5			50	150	11/17/2022	DLC
Chloroform - BSD	EPA-8260	94.8	1		50	150	11/17/2022	DLC
1,1,1-Trichloroethane - BS	EPA-8260	91.7			50	150	11/17/2022	DLC
1,1,1-Trichloroethane - BSD	EPA-8260	93.2	2		50	150	11/17/2022	DLC
1,2-Dichloroethane - BS	EPA-8260	95.1			50	150	11/17/2022	DLC
1,2-Dichloroethane - BSD	EPA-8260	93.5	2		50	150	11/17/2022	DLC
Benzene - BS	EPA-8260	90.6			75	138	11/17/2022	DLC
Benzene - BSD	EPA-8260	90.7	0		75	138	11/17/2022	DLC
Trichloroethene - BS	EPA-8260	91.3			75	136	11/17/2022	DLC
Trichloroethene - BSD	EPA-8260	91.1	0		75	136	11/17/2022	DLC
1,2-Dichloropropane - BS	EPA-8260	91.8			50	150	11/17/2022	DLC
1,2-Dichloropropane - BSD	EPA-8260	91.3	1		50	150	11/17/2022	DLC
4-Methyl-2-Pentanone - BS	EPA-8260	97.8			50	150	11/17/2022	DLC
4-Methyl-2-Pentanone - BSD	EPA-8260	88.3	10		50	150	11/17/2022	DLC
Toluene - BS	EPA-8260	87.4			71.6	122.1	11/17/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/7/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110098
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Toluene - BSD	EPA-8260	86.0	2		71.6	122.1	11/17/2022	DLC
1,1,2-Trichloroethane - BS	EPA-8260	100			50	150	11/17/2022	DLC
1,1,2-Trichloroethane - BSD	EPA-8260	98.2	2		50	150	11/17/2022	DLC
2-Hexanone - BS	EPA-8260	109			50	150	11/17/2022	DLC
2-Hexanone - BSD	EPA-8260	97.3	11		50	150	11/17/2022	DLC
Tetrachloroethylene - BS	EPA-8260	113			50	150	11/17/2022	DLC
Tetrachloroethylene - BSD	EPA-8260	107	5		50	150	11/17/2022	DLC
1,2-Dibromoethane - BS	EPA-8260	104			50	150	11/17/2022	DLC
1,2-Dibromoethane - BSD	EPA-8260	102	2		50	150	11/17/2022	DLC
1,1,1,2-Tetrachloroethane - BS	EPA-8260	103			50	150	11/17/2022	DLC
1,1,1,2-Tetrachloroethane - BSD	EPA-8260	103	0		50	150	11/17/2022	DLC
Ethylbenzene - BS	EPA-8260	90.1			50	150	11/17/2022	DLC
Ethylbenzene - BSD	EPA-8260	91.2	1		50	150	11/17/2022	DLC
Isopropylbenzene - BS	EPA-8260	96.8			50	150	11/17/2022	DLC
Isopropylbenzene - BSD	EPA-8260	96.5	0		50	150	11/17/2022	DLC
1,1,2,2-Tetrachloroethane - BS	EPA-8260	95.5			50	150	11/17/2022	DLC
1,1,2,2-Tetrachloroethane - BSD	EPA-8260	91.4	4		50	150	11/17/2022	DLC
N-Propyl Benzene - BS	EPA-8260	88.4			50	150	11/17/2022	DLC
N-Propyl Benzene - BSD	EPA-8260	87.8	1		50	150	11/17/2022	DLC
1,3,5-Trimethylbenzene - BS	EPA-8260	92.5			50	150	11/17/2022	DLC
1,3,5-Trimethylbenzene - BSD	EPA-8260	92.0	1		50	150	11/17/2022	DLC
1,2,4-Trimethylbenzene - BS	EPA-8260	93.2			50	150	11/17/2022	DLC
1,2,4-Trimethylbenzene - BSD	EPA-8260	93.0	0		50	150	11/17/2022	DLC
S-Butyl Benzene - BS	EPA-8260	90.6			50	150	11/17/2022	DLC
S-Butyl Benzene - BSD	EPA-8260	90.0	1		50	150	11/17/2022	DLC
P-Isopropyltoluene - BS	EPA-8260	92.0			50	150	11/17/2022	DLC
P-Isopropyltoluene - BSD	EPA-8260	91.3	1		50	150	11/17/2022	DLC
Naphthalene - BS	EPA-8260	93.5			50	150	11/17/2022	DLC
Naphthalene - BSD	EPA-8260	92.6	1		50	150	11/17/2022	DLC

SR1 - RPD outside of control limits.

ALS Test Batch ID: 186401 - Water by EPA-8260

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Vinyl Chloride - BS	EPA-8260	120			50	150	11/18/2022	DLC
Vinyl Chloride - BSD	EPA-8260	107	12		50	150	11/18/2022	DLC
Chloroethane - BS	EPA-8260	117			50	150	11/18/2022	DLC
Chloroethane - BSD	EPA-8260	105	11		50	150	11/18/2022	DLC
Carbon Tetrachloride - BS	EPA-8260	125			50	150	11/18/2022	DLC
Carbon Tetrachloride - BSD	EPA-8260	111	12		50	150	11/18/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/7/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110098
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Carbon Disulfide - BS	EPA-8260	115			50	150	11/18/2022	DLC
Carbon Disulfide - BSD	EPA-8260	103	11		50	150	11/18/2022	DLC
Acetone - BS	EPA-8260	85.4			50	150	11/18/2022	DLC
Acetone - BSD	EPA-8260	101	17		50	150	11/18/2022	DLC
1,1-Dichloroethene - BS	EPA-8260	117			72.5	136	11/18/2022	DLC
1,1-Dichloroethene - BSD	EPA-8260	105	11		72.5	136	11/18/2022	DLC
Methylene Chloride - BS	EPA-8260	116			50	150	11/18/2022	DLC
Methylene Chloride - BSD	EPA-8260	109	6		50	150	11/18/2022	DLC
Methyl T-Butyl Ether - BS	EPA-8260	112			50	150	11/18/2022	DLC
Methyl T-Butyl Ether - BSD	EPA-8260	104	7		50	150	11/18/2022	DLC
Trans-1,2-Dichloroethene - BS	EPA-8260	117			50	150	11/18/2022	DLC
Trans-1,2-Dichloroethene - BSD	EPA-8260	105	11		50	150	11/18/2022	DLC
1,1-Dichloroethane - BS	EPA-8260	117			50	150	11/18/2022	DLC
1,1-Dichloroethane - BSD	EPA-8260	106	10		50	150	11/18/2022	DLC
2-Butanone - BS	EPA-8260	92.2			50	150	11/18/2022	DLC
2-Butanone - BSD	EPA-8260	95.5	4		50	150	11/18/2022	DLC
Cis-1,2-Dichloroethene - BS	EPA-8260	117			50	150	11/18/2022	DLC
Cis-1,2-Dichloroethene - BSD	EPA-8260	106	10		50	150	11/18/2022	DLC
Chloroform - BS	EPA-8260	113			50	150	11/18/2022	DLC
Chloroform - BSD	EPA-8260	101	11		50	150	11/18/2022	DLC
1,1,1-Trichloroethane - BS	EPA-8260	120			50	150	11/18/2022	DLC
1,1,1-Trichloroethane - BSD	EPA-8260	107	12		50	150	11/18/2022	DLC
1,2-Dichloroethane - BS	EPA-8260	110			50	150	11/18/2022	DLC
1,2-Dichloroethane - BSD	EPA-8260	103	7		50	150	11/18/2022	DLC
Benzene - BS	EPA-8260	112			74.7	143	11/18/2022	DLC
Benzene - BSD	EPA-8260	102	10		74.7	143	11/18/2022	DLC
Trichloroethene - BS	EPA-8260	112			74.4	141	11/18/2022	DLC
Trichloroethene - BSD	EPA-8260	103	8		74.4	141	11/18/2022	DLC
1,2-Dichloropropane - BS	EPA-8260	118			50	150	11/18/2022	DLC
1,2-Dichloropropane - BSD	EPA-8260	108	9		50	150	11/18/2022	DLC
4-Methyl-2-Pentanone - BS	EPA-8260	108			50	150	11/18/2022	DLC
4-Methyl-2-Pentanone - BSD	EPA-8260	101	6		50	150	11/18/2022	DLC
Toluene - BS	EPA-8260	117			71.7	139	11/18/2022	DLC
Toluene - BSD	EPA-8260	107	10		71.7	139	11/18/2022	DLC
1,1,2-Trichloroethane - BS	EPA-8260	113			50	150	11/18/2022	DLC
1,1,2-Trichloroethane - BSD	EPA-8260	105	7		50	150	11/18/2022	DLC
2-Hexanone - BS	EPA-8260	94.7			50	150	11/18/2022	DLC
2-Hexanone - BSD	EPA-8260	92.1	3		50	150	11/18/2022	DLC
Tetrachloroethylene - BS	EPA-8260	97.2			50	150	11/18/2022	DLC
Tetrachloroethylene - BSD	EPA-8260	108	11		50	150	11/18/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/7/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110098
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
1,2-Dibromoethane - BS	EPA-8260	118			50	150	11/18/2022	DLC
1,2-Dibromoethane - BSD	EPA-8260	110	7		50	150	11/18/2022	DLC
1,1,1,2-Tetrachloroethane - BS	EPA-8260	113			50	150	11/18/2022	DLC
1,1,1,2-Tetrachloroethane - BSD	EPA-8260	104	8		50	150	11/18/2022	DLC
Ethylbenzene - BS	EPA-8260	117			50	150	11/18/2022	DLC
Ethylbenzene - BSD	EPA-8260	106	10		50	150	11/18/2022	DLC
Isopropylbenzene - BS	EPA-8260	116			50	150	11/18/2022	DLC
Isopropylbenzene - BSD	EPA-8260	106	10		50	150	11/18/2022	DLC
1,1,2,2-Tetrachloroethane - BS	EPA-8260	102			50	150	11/18/2022	DLC
1,1,2,2-Tetrachloroethane - BSD	EPA-8260	92.6	9		50	150	11/18/2022	DLC
N-Propyl Benzene - BS	EPA-8260	110			50	150	11/18/2022	DLC
N-Propyl Benzene - BSD	EPA-8260	100	9		50	150	11/18/2022	DLC
1,3,5-Trimethylbenzene - BS	EPA-8260	111			50	150	11/18/2022	DLC
1,3,5-Trimethylbenzene - BSD	EPA-8260	102	9		50	150	11/18/2022	DLC
1,2,4-Trimethylbenzene - BS	EPA-8260	108			50	150	11/18/2022	DLC
1,2,4-Trimethylbenzene - BSD	EPA-8260	98.4	9		50	150	11/18/2022	DLC
S-Butyl Benzene - BS	EPA-8260	111			50	150	11/18/2022	DLC
S-Butyl Benzene - BSD	EPA-8260	101	9		50	150	11/18/2022	DLC
P-Isopropyltoluene - BS	EPA-8260	110			50	150	11/18/2022	DLC
P-Isopropyltoluene - BSD	EPA-8260	100	9		50	150	11/18/2022	DLC
Naphthalene - BS	EPA-8260	97.6			50	150	11/18/2022	DLC
Naphthalene - BSD	EPA-8260	92.8	5		50	150	11/18/2022	DLC
Xylenes - BS	EPA-8260	117			50	150	11/18/2022	DLC
Xylenes - BSD	EPA-8260	106	9		50	150	11/18/2022	DLC

ALS Test Batch ID: R423413 - Soil by ASTM D4129-05M

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Total Organic Carbon (TOC) - BS	ASTM D4129-05M	100			72	122	12/06/2022	CAS

APPROVED BY

Laboratory Director

ALS Group USA, Corp.
 dba ALS Environmental
Analytical Report

Client: ALS Environmental - US
Project: EV22110098
Sample Matrix: Soil

Service Request: K2213739
Date Collected: 11/16/22
Date Received: 11/18/22
Date Analyzed: 11/30/22

Particle Size Determination
 ASTM D422M

Sample Name: EV22110098-01
Lab Code: K2213739-001 DUP

Sand Fraction: Weight (Grams) 16.9247
 Sand Fraction: Weight Recovered (Grams) 16.8830
 Sand Fraction: Percent Recovery 99.75

Weight as received (Grams)	30.264
Percent Solids	94.4
Weight Oven-Dried (Grams)	28.5692

Description	Sieve Size	Sieve Number	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel, Medium	4.75 mm	4	0.3599	1.26
Gravel, Fine	2.00 mm	10	1.3759	4.82
Sand, Very Coarse	0.850 mm	20	1.5035	5.26
Sand, Coarse	0.425 mm	40	2.8215	9.88
Sand, Medium	0.250 mm	60	3.5855	12.55
Sand, Fine	0.106 mm	140	5.4451	19.06
Sand, Very Fine	0.075 mm	200	1.5994	5.60
Silt			9.1300	31.96
Clay			2.2550	7.89
Total			28.0758	98.28

ALS Group USA, Corp.
 dba ALS Environmental
Analytical Report

Client: ALS Environmental - US
Project: EV22110098
Sample Matrix: Soil

Service Request: K2213739
Date Collected: 11/16/22
Date Received: 11/18/22
Date Analyzed: 11/30/22

Particle Size Determination
 ASTM D422M

Sample Name: EV22110098-02
 Lab Code: K2213739-002

Sand Fraction: Weight (Grams) 15.7468
 Sand Fraction: Weight Recovered (Grams) 15.6802
 Sand Fraction: Percent Recovery 99.58

Weight as received (Grams)	30.11
Percent Solids	95.6
Weight Oven-Dried (Grams)	28.7852

Description	Sieve Size	Sieve Number	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel, Medium	4.75 mm	4	1.8365	6.38
Gravel, Fine	2.00 mm	10	2.4747	8.60
Sand, Very Coarse	0.850 mm	20	2.2224	7.72
Sand, Coarse	0.425 mm	40	2.3755	8.25
Sand, Medium	0.250 mm	60	1.7221	5.98
Sand, Fine	0.106 mm	140	3.9810	13.83
Sand, Very Fine	0.075 mm	200	0.9884	3.43
Silt			9.2550	32.15
Clay			3.2150	11.17
Total			28.0706	97.51

ALS ENVIRONMENTAL

Sample Receiving Checklist

Client: Landon

ALS Job #: EV22110098

Project: TECT R1 222057,040.043

Received Date: 11/16/22 Received Time: 12:41 PM By: M&C

Type of shipping container: Cooler Box Other

Shipped via: FedEx Ground UPS Mail Courier Hand Delivered
FedEx Express

Were custody seals on outside of shipping container? Yes No N/A
If yes, how many? Where?
Custody seal date: Seal name:

Was Chain of Custody properly filled out (ink, signed, dated, etc.)? X

Did all bottles have labels? X

Did all bottle labels and tags agree with Chain of Custody? X

Were samples received within hold time? X

Did all bottles arrive in good condition (unbroken, etc.)? X

Was sufficient amount of sample sent for the tests indicated? X

Was correct preservation added to samples? X

If no, Sample Control added preservative to the following: 2 Low kits

<u>Sample Number</u>	<u>Reagent</u>	<u>Analyte</u>
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>

Were VOA vials checked for absence of air bubbles? X
Bubbles present in sample #: None

Temperature of cooler upon receipt: 4.5° on ice Cold Cool Ambient N/A

Explain any discrepancies:

Was client contacted? Who was called? By whom? Date:

Outcome of call:



December 7, 2022

Ms. Stephanie Renando
Landau Associates, Inc.
155 NE 100th St, Ste 302
Seattle, WA 98125

Dear Ms. Renando,

On November 17th, 3 samples were received by our laboratory and assigned our laboratory project number EV22110111. The project was identified as your TECT RI - 222057.040.043. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Glen Perry
Laboratory Director



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/7/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110111
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110111-01
CLIENT SAMPLE ID	DUP-Soil-221116	DATE RECEIVED:	11/17/2022
		COLLECTION DATE:	11/16/2022 8:00:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
Vinyl Chloride	EPA-8260	U	0.050	1	UG/KG	11/18/2022	DLC
Chloroethane	EPA-8260	U	10	1	UG/KG	11/18/2022	DLC
Carbon Tetrachloride	EPA-8260	U	1.5	1	UG/KG	11/18/2022	DLC
Carbon Disulfide	EPA-8260	U	10	1	UG/KG	11/18/2022	DLC
Acetone	EPA-8260	U	50	1	UG/KG	11/18/2022	DLC
1,1-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	11/18/2022	DLC
Methylene Chloride	EPA-8260	U	1.5	1	UG/KG	11/18/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	1.5	1	UG/KG	11/18/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	11/18/2022	DLC
1,1-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	11/18/2022	DLC
2-Butanone	EPA-8260	U	50	1	UG/KG	11/18/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	11/18/2022	DLC
Chloroform	EPA-8260	U	1.5	1	UG/KG	11/18/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	10	1	UG/KG	11/18/2022	DLC
1,2-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	11/18/2022	DLC
Benzene	EPA-8260	U	1.5	1	UG/KG	11/18/2022	DLC
Trichloroethene	EPA-8260	U	1.5	1	UG/KG	11/18/2022	DLC
1,2-Dichloropropane	EPA-8260	U	1.5	1	UG/KG	11/18/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	50	1	UG/KG	11/18/2022	DLC
Toluene	EPA-8260	U	10	1	UG/KG	11/18/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	1.5	1	UG/KG	11/18/2022	DLC
2-Hexanone	EPA-8260	U	50	1	UG/KG	11/18/2022	DLC
Tetrachloroethylene	EPA-8260	U	1.5	1	UG/KG	11/18/2022	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	11/18/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	11/18/2022	DLC
Ethylbenzene	EPA-8260	U	10	1	UG/KG	11/18/2022	DLC
Isopropylbenzene	EPA-8260	U	10	1	UG/KG	11/18/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	1.5	1	UG/KG	11/18/2022	DLC
N-Propyl Benzene	EPA-8260	U	10	1	UG/KG	11/18/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	11/18/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	11/18/2022	DLC
S-Butyl Benzene	EPA-8260	U	10	1	UG/KG	11/18/2022	DLC
P-Isopropyltoluene	EPA-8260	U	10	1	UG/KG	11/18/2022	DLC
Naphthalene	EPA-8260	U	10	1	UG/KG	11/18/2022	DLC
Xylenes	EPA-8260	U	20	1	UG/KG	11/18/2022	DLC
Total Organic Carbon (TOC)	ASTM D4129-05M	0.051	0.050	1	%	12/06/2022	CAS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
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CERTIFICATE OF ANALYSIS

CLIENT: Landau Associates, Inc. DATE: 12/7/2022
155 NE 100th St, Ste 302 ALS JOB#: EV22110111
Seattle, WA 98125 ALS SAMPLE#: EV22110111-01
CLIENT CONTACT: Stephanie Renando DATE RECEIVED: 11/17/2022
CLIENT PROJECT: TECT RI - 222057.040.043 COLLECTION DATE: 11/16/2022 8:00:00 AM
CLIENT SAMPLE ID DUP-Soil-221116 WDOE ACCREDITATION: C601

SAMPLE DATA RESULTS

SURROGATE	METHOD	%REC	ANALYSIS	
			DATE	BY
1,2-Dichloroethane-d4	EPA-8260	101	11/18/2022	DLC
Toluene-d8	EPA-8260	102	11/18/2022	DLC
4-Bromofluorobenzene	EPA-8260	100	11/18/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/7/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110111
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110111-02
CLIENT SAMPLE ID	RIDW-6-(133.5-134.5')	DATE RECEIVED:	11/17/2022
		COLLECTION DATE:	11/16/2022 3:30:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
Vinyl Chloride	EPA-8260	U	0.050	1	UG/KG	11/18/2022	DLC
Chloroethane	EPA-8260	U	10	1	UG/KG	11/18/2022	DLC
Carbon Tetrachloride	EPA-8260	U	1.5	1	UG/KG	11/18/2022	DLC
Carbon Disulfide	EPA-8260	U	10	1	UG/KG	11/18/2022	DLC
Acetone	EPA-8260	U	50	1	UG/KG	11/18/2022	DLC
1,1-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	11/18/2022	DLC
Methylene Chloride	EPA-8260	U	1.5	1	UG/KG	11/18/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	1.5	1	UG/KG	11/18/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	11/18/2022	DLC
1,1-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	11/18/2022	DLC
2-Butanone	EPA-8260	U	50	1	UG/KG	11/18/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	11/18/2022	DLC
Chloroform	EPA-8260	U	1.5	1	UG/KG	11/18/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	10	1	UG/KG	11/18/2022	DLC
1,2-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	11/18/2022	DLC
Benzene	EPA-8260	U	1.5	1	UG/KG	11/18/2022	DLC
Trichloroethene	EPA-8260	U	1.5	1	UG/KG	11/18/2022	DLC
1,2-Dichloropropane	EPA-8260	U	1.5	1	UG/KG	11/18/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	50	1	UG/KG	11/18/2022	DLC
Toluene	EPA-8260	U	10	1	UG/KG	11/18/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	1.5	1	UG/KG	11/18/2022	DLC
2-Hexanone	EPA-8260	U	50	1	UG/KG	11/18/2022	DLC
Tetrachloroethylene	EPA-8260	U	1.5	1	UG/KG	11/18/2022	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	11/18/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	11/18/2022	DLC
Ethylbenzene	EPA-8260	U	10	1	UG/KG	11/18/2022	DLC
Isopropylbenzene	EPA-8260	U	10	1	UG/KG	11/18/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	1.5	1	UG/KG	11/18/2022	DLC
N-Propyl Benzene	EPA-8260	U	10	1	UG/KG	11/18/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	11/18/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	11/18/2022	DLC
S-Butyl Benzene	EPA-8260	U	10	1	UG/KG	11/18/2022	DLC
P-Isopropyltoluene	EPA-8260	U	10	1	UG/KG	11/18/2022	DLC
Naphthalene	EPA-8260	U	10	1	UG/KG	11/18/2022	DLC
Xylenes	EPA-8260	U	20	1	UG/KG	11/18/2022	DLC
Total Organic Carbon (TOC)	ASTM D4129-05M	U	0.050	1	%	12/06/2022	CAS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
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CERTIFICATE OF ANALYSIS

CLIENT: Landau Associates, Inc. DATE: 12/7/2022
155 NE 100th St, Ste 302 ALS JOB#: EV22110111
Seattle, WA 98125 ALS SAMPLE#: EV22110111-02
CLIENT CONTACT: Stephanie Renando DATE RECEIVED: 11/17/2022
CLIENT PROJECT: TECT RI - 222057.040.043 COLLECTION DATE: 11/16/2022 3:30:00 PM
CLIENT SAMPLE ID RIDW-6-(133.5-134.5') WDOE ACCREDITATION: C601

SAMPLE DATA RESULTS

SURROGATE	METHOD	%REC	ANALYSIS ANALYSIS	
			DATE	BY
1,2-Dichloroethane-d4	EPA-8260	101	11/18/2022	DLC
Toluene-d8	EPA-8260	100	11/18/2022	DLC
4-Bromofluorobenzene	EPA-8260	103	11/18/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/7/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110111
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110111-03
CLIENT SAMPLE ID	Trip Blanks	DATE RECEIVED:	11/17/2022
		COLLECTION DATE:	11/16/2022
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
Vinyl Chloride	EPA-8260	U	0.020	1	UG/L	11/29/2022	DLC
Chloroethane	EPA-8260	U	2.0	1	UG/L	11/29/2022	DLC
Carbon Tetrachloride	EPA-8260	U	0.50	1	UG/L	11/29/2022	DLC
Carbon Disulfide	EPA-8260	U	2.0	1	UG/L	11/29/2022	DLC
Acetone	EPA-8260	U	25	1	UG/L	11/29/2022	DLC
1,1-Dichloroethene	EPA-8260	U	2.0	1	UG/L	11/29/2022	DLC
Methylene Chloride	EPA-8260	U	5.0	1	UG/L	11/29/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	2.0	1	UG/L	11/29/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	11/29/2022	DLC
1,1-Dichloroethane	EPA-8260	U	2.0	1	UG/L	11/29/2022	DLC
2-Butanone	EPA-8260	U	10	1	UG/L	11/29/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	11/29/2022	DLC
Chloroform	EPA-8260	U	0.50	1	UG/L	11/29/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	2.0	1	UG/L	11/29/2022	DLC
1,2-Dichloroethane	EPA-8260	U	0.020	1	UG/L	11/29/2022	DLC
Benzene	EPA-8260	U	0.50	1	UG/L	11/29/2022	DLC
Trichloroethene	EPA-8260	U	0.50	1	UG/L	11/29/2022	DLC
1,2-Dichloropropane	EPA-8260	U	0.50	1	UG/L	11/29/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	10	1	UG/L	11/29/2022	DLC
Toluene	EPA-8260	U	2.0	1	UG/L	11/29/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	0.50	1	UG/L	11/29/2022	DLC
2-Hexanone	EPA-8260	U	10	1	UG/L	11/29/2022	DLC
Tetrachloroethylene	EPA-8260	U	2.0	1	UG/L	11/29/2022	DLC
1,2-Dibromoethane	EPA-8260	U	0.010	1	UG/L	11/29/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	0.50	1	UG/L	11/29/2022	DLC
Ethylbenzene	EPA-8260	U	2.0	1	UG/L	11/29/2022	DLC
Isopropylbenzene	EPA-8260	U	2.0	1	UG/L	11/29/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	0.50	1	UG/L	11/29/2022	DLC
N-Propyl Benzene	EPA-8260	U	2.0	1	UG/L	11/29/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	11/29/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	11/29/2022	DLC
S-Butyl Benzene	EPA-8260	U	2.0	1	UG/L	11/29/2022	DLC
P-Isopropyltoluene	EPA-8260	U	2.0	1	UG/L	11/29/2022	DLC
Naphthalene	EPA-8260	U	2.0	1	UG/L	11/29/2022	DLC
Xylenes	EPA-8260	U	2.0	1	UG/L	11/29/2022	DLC

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
1,2-Dichloroethane-d4	EPA-8260	103	11/29/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT: Landau Associates, Inc. DATE: 12/7/2022
155 NE 100th St, Ste 302 ALS JOB#: EV22110111
Seattle, WA 98125 ALS SAMPLE#: EV22110111-03
CLIENT CONTACT: Stephanie Renando DATE RECEIVED: 11/17/2022
CLIENT PROJECT: TECT RI - 222057.040.043 COLLECTION DATE: 11/16/2022
CLIENT SAMPLE ID Trip Blanks WDOE ACCREDITATION: C601

SAMPLE DATA RESULTS

SURROGATE	METHOD	%REC	ANALYSIS	
			DATE	BY
Toluene-d8	EPA-8260	100	11/29/2022	DLC
4-Bromofluorobenzene	EPA-8260	103	11/29/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/7/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110111
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY BLANK RESULTS

MB-111822S - Batch 186519 - Soil by EPA-8260

ANALYTE	METHOD	RESULTS	UNITS	REPORTING	ANALYSIS	ANALYSIS
				LIMITS	DATE	BY
Vinyl Chloride	EPA-8260	U	UG/KG	0.050	11/18/2022	DLC
Chloroethane	EPA-8260	U	UG/KG	10	11/18/2022	DLC
Carbon Tetrachloride	EPA-8260	U	UG/KG	1.5	11/18/2022	DLC
Carbon Disulfide	EPA-8260	U	UG/KG	10	11/18/2022	DLC
Acetone	EPA-8260	U	UG/KG	50	11/18/2022	DLC
1,1-Dichloroethene	EPA-8260	U	UG/KG	1.5	11/18/2022	DLC
Methylene Chloride	EPA-8260	U	UG/KG	2.3	11/18/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	UG/KG	1.5	11/18/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	UG/KG	10	11/18/2022	DLC
1,1-Dichloroethane	EPA-8260	U	UG/KG	1.5	11/18/2022	DLC
2-Butanone	EPA-8260	U	UG/KG	50	11/18/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	UG/KG	1.5	11/18/2022	DLC
Chloroform	EPA-8260	U	UG/KG	1.5	11/18/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	UG/KG	10	11/18/2022	DLC
1,2-Dichloroethane	EPA-8260	U	UG/KG	1.5	11/18/2022	DLC
Benzene	EPA-8260	U	UG/KG	1.5	11/18/2022	DLC
Trichloroethene	EPA-8260	U	UG/KG	1.5	11/18/2022	DLC
1,2-Dichloropropane	EPA-8260	U	UG/KG	1.5	11/18/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	UG/KG	50	11/18/2022	DLC
Toluene	EPA-8260	U	UG/KG	10	11/18/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	UG/KG	1.5	11/18/2022	DLC
2-Hexanone	EPA-8260	U	UG/KG	50	11/18/2022	DLC
Tetrachloroethylene	EPA-8260	U	UG/KG	1.5	11/18/2022	DLC
1,2-Dibromoethane	EPA-8260	U	UG/KG	5.0	11/18/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	UG/KG	10	11/18/2022	DLC
Ethylbenzene	EPA-8260	U	UG/KG	10	11/18/2022	DLC
Isopropylbenzene	EPA-8260	U	UG/KG	10	11/18/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	UG/KG	1.5	11/18/2022	DLC
N-Propyl Benzene	EPA-8260	U	UG/KG	10	11/18/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	UG/KG	10	11/18/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	UG/KG	10	11/18/2022	DLC
S-Butyl Benzene	EPA-8260	U	UG/KG	10	11/18/2022	DLC
P-Isopropyltoluene	EPA-8260	U	UG/KG	10	11/18/2022	DLC
Naphthalene	EPA-8260	U	UG/KG	10	11/18/2022	DLC
Xylenes	EPA-8260	U	UG/KG	20	11/18/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/7/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110111
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY BLANK RESULTS

MB-112822W - Batch 186718 - Water by EPA-8260

ANALYTE	METHOD	RESULTS	UNITS	REPORTING	ANALYSIS	ANALYSIS
				LIMITS	DATE	BY
Vinyl Chloride	EPA-8260	U	UG/L	0.020	11/29/2022	DLC
Chloroethane	EPA-8260	U	UG/L	2.0	11/29/2022	DLC
Carbon Tetrachloride	EPA-8260	U	UG/L	0.50	11/29/2022	DLC
Carbon Disulfide	EPA-8260	U	UG/L	2.0	11/29/2022	DLC
Acetone	EPA-8260	U	UG/L	25	11/29/2022	DLC
1,1-Dichloroethene	EPA-8260	U	UG/L	2.0	11/29/2022	DLC
Methylene Chloride	EPA-8260	U	UG/L	5.0	11/29/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	UG/L	2.0	11/29/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	UG/L	2.0	11/29/2022	DLC
1,1-Dichloroethane	EPA-8260	U	UG/L	2.0	11/29/2022	DLC
2-Butanone	EPA-8260	U	UG/L	10	11/29/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	UG/L	2.0	11/29/2022	DLC
Chloroform	EPA-8260	U	UG/L	0.50	11/29/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	UG/L	2.0	11/29/2022	DLC
1,2-Dichloroethane	EPA-8260	U	UG/L	0.020	11/29/2022	DLC
Benzene	EPA-8260	U	UG/L	0.50	11/29/2022	DLC
Trichloroethene	EPA-8260	U	UG/L	0.50	11/29/2022	DLC
1,2-Dichloropropane	EPA-8260	U	UG/L	0.50	11/29/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	UG/L	10	11/29/2022	DLC
Toluene	EPA-8260	U	UG/L	2.0	11/29/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	UG/L	0.50	11/29/2022	DLC
2-Hexanone	EPA-8260	U	UG/L	10	11/29/2022	DLC
Tetrachloroethylene	EPA-8260	U	UG/L	2.0	11/29/2022	DLC
1,2-Dibromoethane	EPA-8260	U	UG/L	0.010	11/29/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	UG/L	0.50	11/29/2022	DLC
Ethylbenzene	EPA-8260	U	UG/L	2.0	11/29/2022	DLC
Isopropylbenzene	EPA-8260	U	UG/L	2.0	11/29/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	UG/L	0.50	11/29/2022	DLC
N-Propyl Benzene	EPA-8260	U	UG/L	2.0	11/29/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	UG/L	2.0	11/29/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	UG/L	2.0	11/29/2022	DLC
S-Butyl Benzene	EPA-8260	U	UG/L	2.0	11/29/2022	DLC
P-Isopropyltoluene	EPA-8260	U	UG/L	2.0	11/29/2022	DLC
Naphthalene	EPA-8260	U	UG/L	2.0	11/29/2022	DLC
Xylenes	EPA-8260	U	UG/L	2.0	11/29/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT: Landau Associates, Inc. DATE: 12/7/2022
155 NE 100th St, Ste 302 ALS SDG#: EV22110111
Seattle, WA 98125 WDOE ACCREDITATION: C601
CLIENT CONTACT: Stephanie Renando
CLIENT PROJECT: TECT RI - 222057.040.043

LABORATORY BLANK RESULTS

MBLK-R423386 - Batch R423386 - Soil by ASTM D4129-05M

Table with 7 columns: ANALYTE, METHOD, RESULTS, UNITS, REPORTING LIMITS, ANALYSIS DATE, ANALYSIS BY. Row 1: Total Organic Carbon (TOC), ASTM D4129-05M, U, %, 0.050, 12/06/2022, CAS

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/7/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110111
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 186519 - Soil by EPA-8260

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Vinyl Chloride - BS	EPA-8260	90.2			50	150	11/18/2022	DLC
Vinyl Chloride - BSD	EPA-8260	90.3	0		50	150	11/18/2022	DLC
Chloroethane - BS	EPA-8260	92.1			50	150	11/18/2022	DLC
Chloroethane - BSD	EPA-8260	93.7	2		50	150	11/18/2022	DLC
Carbon Tetrachloride - BS	EPA-8260	96.1			50	150	11/18/2022	DLC
Carbon Tetrachloride - BSD	EPA-8260	95.9	0		50	150	11/18/2022	DLC
Carbon Disulfide - BS	EPA-8260	102			50	150	11/18/2022	DLC
Carbon Disulfide - BSD	EPA-8260	102	0		50	150	11/18/2022	DLC
Acetone - BS	EPA-8260	116			50	150	11/18/2022	DLC
Acetone - BSD	EPA-8260	99.8	15		50	150	11/18/2022	DLC
1,1-Dichloroethene - BS	EPA-8260	90.1			70	130	11/18/2022	DLC
1,1-Dichloroethene - BSD	EPA-8260	90.2	0		70	130	11/18/2022	DLC
Methylene Chloride - BS	EPA-8260	99.6			50	150	11/18/2022	DLC
Methylene Chloride - BSD	EPA-8260	98.8	1		50	150	11/18/2022	DLC
Methyl T-Butyl Ether - BS	EPA-8260	95.8			50	150	11/18/2022	DLC
Methyl T-Butyl Ether - BSD	EPA-8260	94.4	1		50	150	11/18/2022	DLC
Trans-1,2-Dichloroethene - BS	EPA-8260	97.4			50	150	11/18/2022	DLC
Trans-1,2-Dichloroethene - BSD	EPA-8260	95.9	2		50	150	11/18/2022	DLC
1,1-Dichloroethane - BS	EPA-8260	87.3			50	150	11/18/2022	DLC
1,1-Dichloroethane - BSD	EPA-8260	89.1	2		50	150	11/18/2022	DLC
2-Butanone - BS	EPA-8260	107			50	150	11/18/2022	DLC
2-Butanone - BSD	EPA-8260	100	6		50	150	11/18/2022	DLC
Cis-1,2-Dichloroethene - BS	EPA-8260	91.0			50	150	11/18/2022	DLC
Cis-1,2-Dichloroethene - BSD	EPA-8260	90.6	0		50	150	11/18/2022	DLC
Chloroform - BS	EPA-8260	106			50	150	11/18/2022	DLC
Chloroform - BSD	EPA-8260	105	1		50	150	11/18/2022	DLC
1,1,1-Trichloroethane - BS	EPA-8260	90.2			50	150	11/18/2022	DLC
1,1,1-Trichloroethane - BSD	EPA-8260	90.1	0		50	150	11/18/2022	DLC
1,2-Dichloroethane - BS	EPA-8260	90.1			50	150	11/18/2022	DLC
1,2-Dichloroethane - BSD	EPA-8260	91.2	1		50	150	11/18/2022	DLC
Benzene - BS	EPA-8260	88.9			75	138	11/18/2022	DLC
Benzene - BSD	EPA-8260	88.7	0		75	138	11/18/2022	DLC
Trichloroethene - BS	EPA-8260	90.7			75	136	11/18/2022	DLC
Trichloroethene - BSD	EPA-8260	90.7	0		75	136	11/18/2022	DLC
1,2-Dichloropropane - BS	EPA-8260	89.6			50	150	11/18/2022	DLC
1,2-Dichloropropane - BSD	EPA-8260	89.0	1		50	150	11/18/2022	DLC
4-Methyl-2-Pentanone - BS	EPA-8260	90.8			50	150	11/18/2022	DLC
4-Methyl-2-Pentanone - BSD	EPA-8260	90.5	0		50	150	11/18/2022	DLC
Toluene - BS	EPA-8260	85.7			71.6	122.1	11/18/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/7/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110111
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Toluene - BSD	EPA-8260	85.6	0		71.6	122.1	11/18/2022	DLC
1,1,2-Trichloroethane - BS	EPA-8260	93.9			50	150	11/18/2022	DLC
1,1,2-Trichloroethane - BSD	EPA-8260	91.9	2		50	150	11/18/2022	DLC
2-Hexanone - BS	EPA-8260	104			50	150	11/18/2022	DLC
2-Hexanone - BSD	EPA-8260	98.2	6		50	150	11/18/2022	DLC
Tetrachloroethylene - BS	EPA-8260	93.8			50	150	11/18/2022	DLC
Tetrachloroethylene - BSD	EPA-8260	92.5	1		50	150	11/18/2022	DLC
1,2-Dibromoethane - BS	EPA-8260	97.3			50	150	11/18/2022	DLC
1,2-Dibromoethane - BSD	EPA-8260	97.4	0		50	150	11/18/2022	DLC
1,1,1,2-Tetrachloroethane - BS	EPA-8260	96.7			50	150	11/18/2022	DLC
1,1,1,2-Tetrachloroethane - BSD	EPA-8260	93.5	3		50	150	11/18/2022	DLC
Ethylbenzene - BS	EPA-8260	89.9			50	150	11/18/2022	DLC
Ethylbenzene - BSD	EPA-8260	88.6	2		50	150	11/18/2022	DLC
Isopropylbenzene - BS	EPA-8260	94.9			50	150	11/18/2022	DLC
Isopropylbenzene - BSD	EPA-8260	93.0	2		50	150	11/18/2022	DLC
1,1,2,2-Tetrachloroethane - BS	EPA-8260	93.5			50	150	11/18/2022	DLC
1,1,2,2-Tetrachloroethane - BSD	EPA-8260	93.5	0		50	150	11/18/2022	DLC
N-Propyl Benzene - BS	EPA-8260	93.7			50	150	11/18/2022	DLC
N-Propyl Benzene - BSD	EPA-8260	90.7	3		50	150	11/18/2022	DLC
1,3,5-Trimethylbenzene - BS	EPA-8260	95.3			50	150	11/18/2022	DLC
1,3,5-Trimethylbenzene - BSD	EPA-8260	93.5	2		50	150	11/18/2022	DLC
1,2,4-Trimethylbenzene - BS	EPA-8260	97.0			50	150	11/18/2022	DLC
1,2,4-Trimethylbenzene - BSD	EPA-8260	93.6	4		50	150	11/18/2022	DLC
S-Butyl Benzene - BS	EPA-8260	95.3			50	150	11/18/2022	DLC
S-Butyl Benzene - BSD	EPA-8260	91.8	4		50	150	11/18/2022	DLC
P-Isopropyltoluene - BS	EPA-8260	96.3			50	150	11/18/2022	DLC
P-Isopropyltoluene - BSD	EPA-8260	93.7	3		50	150	11/18/2022	DLC
Naphthalene - BS	EPA-8260	94.1			50	150	11/18/2022	DLC
Naphthalene - BSD	EPA-8260	91.2	3		50	150	11/18/2022	DLC

ALS Test Batch ID: 186718 - Water by EPA-8260

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Vinyl Chloride - BS	EPA-8260	123			50	150	11/29/2022	DLC
Vinyl Chloride - BSD	EPA-8260	120	3		50	150	11/29/2022	DLC
Chloroethane - BS	EPA-8260	114			50	150	11/29/2022	DLC
Chloroethane - BSD	EPA-8260	112	2		50	150	11/29/2022	DLC
Carbon Tetrachloride - BS	EPA-8260	116			50	150	11/29/2022	DLC
Carbon Tetrachloride - BSD	EPA-8260	113	2		50	150	11/29/2022	DLC
Carbon Disulfide - BS	EPA-8260	120			50	150	11/29/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/7/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110111
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Carbon Disulfide - BSD	EPA-8260	118	2		50	150	11/29/2022	DLC
Acetone - BS	EPA-8260	97.5			50	150	11/29/2022	DLC
Acetone - BSD	EPA-8260	103	5		50	150	11/29/2022	DLC
1,1-Dichloroethene - BS	EPA-8260	119			72.5	136	11/29/2022	DLC
1,1-Dichloroethene - BSD	EPA-8260	117	2		72.5	136	11/29/2022	DLC
Methylene Chloride - BS	EPA-8260	112			50	150	11/29/2022	DLC
Methylene Chloride - BSD	EPA-8260	113	1		50	150	11/29/2022	DLC
Methyl T-Butyl Ether - BS	EPA-8260	104			50	150	11/29/2022	DLC
Methyl T-Butyl Ether - BSD	EPA-8260	105	0		50	150	11/29/2022	DLC
Trans-1,2-Dichloroethene - BS	EPA-8260	112			50	150	11/29/2022	DLC
Trans-1,2-Dichloroethene - BSD	EPA-8260	110	2		50	150	11/29/2022	DLC
1,1-Dichloroethane - BS	EPA-8260	111			50	150	11/29/2022	DLC
1,1-Dichloroethane - BSD	EPA-8260	110	1		50	150	11/29/2022	DLC
2-Butanone - BS	EPA-8260	104			50	150	11/29/2022	DLC
2-Butanone - BSD	EPA-8260	107	2		50	150	11/29/2022	DLC
Cis-1,2-Dichloroethene - BS	EPA-8260	110			50	150	11/29/2022	DLC
Cis-1,2-Dichloroethene - BSD	EPA-8260	108	1		50	150	11/29/2022	DLC
Chloroform - BS	EPA-8260	113			50	150	11/29/2022	DLC
Chloroform - BSD	EPA-8260	112	1		50	150	11/29/2022	DLC
1,1,1-Trichloroethane - BS	EPA-8260	114			50	150	11/29/2022	DLC
1,1,1-Trichloroethane - BSD	EPA-8260	112	2		50	150	11/29/2022	DLC
1,2-Dichloroethane - BS	EPA-8260	107			50	150	11/29/2022	DLC
1,2-Dichloroethane - BSD	EPA-8260	107	0		50	150	11/29/2022	DLC
Benzene - BS	EPA-8260	114			74.7	143	11/29/2022	DLC
Benzene - BSD	EPA-8260	112	1		74.7	143	11/29/2022	DLC
Trichloroethene - BS	EPA-8260	115			74.4	141	11/29/2022	DLC
Trichloroethene - BSD	EPA-8260	113	1		74.4	141	11/29/2022	DLC
1,2-Dichloropropane - BS	EPA-8260	109			50	150	11/29/2022	DLC
1,2-Dichloropropane - BSD	EPA-8260	108	1		50	150	11/29/2022	DLC
4-Methyl-2-Pentanone - BS	EPA-8260	106			50	150	11/29/2022	DLC
4-Methyl-2-Pentanone - BSD	EPA-8260	108	2		50	150	11/29/2022	DLC
Toluene - BS	EPA-8260	112			71.7	139	11/29/2022	DLC
Toluene - BSD	EPA-8260	110	2		71.7	139	11/29/2022	DLC
1,1,2-Trichloroethane - BS	EPA-8260	105			50	150	11/29/2022	DLC
1,1,2-Trichloroethane - BSD	EPA-8260	106	0		50	150	11/29/2022	DLC
2-Hexanone - BS	EPA-8260	108			50	150	11/29/2022	DLC
2-Hexanone - BSD	EPA-8260	110	2		50	150	11/29/2022	DLC
Tetrachloroethylene - BS	EPA-8260	109			50	150	11/29/2022	DLC
Tetrachloroethylene - BSD	EPA-8260	116	7		50	150	11/29/2022	DLC
1,2-Dibromoethane - BS	EPA-8260	108			50	150	11/29/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/7/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110111
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
1,2-Dibromoethane - BSD	EPA-8260	109	1		50	150	11/29/2022	DLC
1,1,1,2-Tetrachloroethane - BS	EPA-8260	108			50	150	11/29/2022	DLC
1,1,1,2-Tetrachloroethane - BSD	EPA-8260	108	0		50	150	11/29/2022	DLC
Ethylbenzene - BS	EPA-8260	111			50	150	11/29/2022	DLC
Ethylbenzene - BSD	EPA-8260	110	1		50	150	11/29/2022	DLC
Isopropylbenzene - BS	EPA-8260	111			50	150	11/29/2022	DLC
Isopropylbenzene - BSD	EPA-8260	110	1		50	150	11/29/2022	DLC
1,1,2,2-Tetrachloroethane - BS	EPA-8260	101			50	150	11/29/2022	DLC
1,1,2,2-Tetrachloroethane - BSD	EPA-8260	102	1		50	150	11/29/2022	DLC
N-Propyl Benzene - BS	EPA-8260	109			50	150	11/29/2022	DLC
N-Propyl Benzene - BSD	EPA-8260	108	1		50	150	11/29/2022	DLC
1,3,5-Trimethylbenzene - BS	EPA-8260	121			50	150	11/29/2022	DLC
1,3,5-Trimethylbenzene - BSD	EPA-8260	121	0		50	150	11/29/2022	DLC
1,2,4-Trimethylbenzene - BS	EPA-8260	124			50	150	11/29/2022	DLC
1,2,4-Trimethylbenzene - BSD	EPA-8260	124	0		50	150	11/29/2022	DLC
S-Butyl Benzene - BS	EPA-8260	110			50	150	11/29/2022	DLC
S-Butyl Benzene - BSD	EPA-8260	109	0		50	150	11/29/2022	DLC
P-Isopropyltoluene - BS	EPA-8260	116			50	150	11/29/2022	DLC
P-Isopropyltoluene - BSD	EPA-8260	116	0		50	150	11/29/2022	DLC
Naphthalene - BS	EPA-8260	105			50	150	11/29/2022	DLC
Naphthalene - BSD	EPA-8260	109	4		50	150	11/29/2022	DLC
Xylenes - BS	EPA-8260	110			50	150	11/29/2022	DLC
Xylenes - BSD	EPA-8260	109	1		50	150	11/29/2022	DLC

ALS Test Batch ID: R423386 - Soil by ASTM D4129-05M

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Total Organic Carbon (TOC) - BS	ASTM D4129-05M	100			70	130	12/06/2022	CAS

APPROVED BY

Laboratory Director



Chain-of-Custody Record

11/22/1011

- North Seattle (206) 631-8660
- Tacoma (253) 926-2493
- Olympia (360) 791-3178
- Spokane (509) 327-9737
- Portland (503) 542-1080

Date 11/16/22

Page 1 of 1

Turnaround Time:
 Standard
 Accelerated

Project Name TECT R1 Project No. 222057.040.043
 Project Location/Event Everett, WA / Phase III
 Sampler's Name Kalpuna Prasad
 Project Contact Stephanic Benando
 Send Results To S. Benando, Jerry Nickman, data@landauinc.com

Testing Parameters

VOCs (8260.D)
 TOC (D4129-05H)
 Grain Size

PIP readings (ppm)

Sample I.D.	Date	Time	Matrix	No. of Containers	VOCs (8260.D)	TOC (D4129-05H)	Grain Size	PIP readings (ppm)
1 DUP-Soil-221116	11/16/22	0800	Soil	6	X	X	X	
2 RIDW-6-(1335-134.5)	11/16/22	1530	W	6	X	X	X	
3 Trip Blanks	11/16/22	---	AG	2	X			

Special Handling Requirements: _____
 Shipment Method: Pick up
 Stored on ice: Yes / No

Observations/Comments

- Allow water samples to settle, collect aliquot from clear portion
- NWTPH-Dx - Acid wash cleanup
- Silica gel cleanup
- Dissolved metal samples were field filtered

Other _____

Relinquished by
 Signature [Signature]
 Printed Name Kalpuna Prasad
 Company Landau As
 Date 11/17 Time 1359

Received by
 Signature [Signature]
 Printed Name Max Christoffel
 Company ALS
 Date 11-17-22 Time 1359

Relinquished by
 Signature _____
 Printed Name _____
 Company _____
 Date _____ Time _____

Received by
 Signature _____
 Printed Name _____
 Company _____
 Date _____ Time _____

ALS ENVIRONMENTAL

Sample Receiving Checklist

Client: Landav Associates

ALS Job #: EV22110111

Project: TECT R1

Received Date: 11/17 Received Time: 1413 By: MC

Type of shipping container: Cooler Box Other

Shipped via: FedEx Ground UPS Mail Courier Hand Delivered
FedEx Express

	<u>Yes</u>	<u>No</u>	<u>N/A</u>
Were custody seals on outside of shipping container?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
If yes, how many? _____ Where? _____			
Custody seal date: _____ Seal name: _____			

Was Chain of Custody properly filled out (ink, signed, dated, etc.)?

Did all bottles have labels?

Did all bottle labels and tags agree with Chain of Custody?

Were samples received within hold time?

Did all bottles arrive in good condition (unbroken, etc.)?

Was sufficient amount of sample sent for the tests indicated?

Was correct preservation added to samples?

If no, Sample Control added preservative to the following:

<u>Sample Number</u>	<u>Reagent</u>	<u>Analyte</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

Were VOA vials checked for absence of air bubbles?

Bubbles present in sample #: 0

Temperature of cooler upon receipt: 4.4°C on ice Cold Cool Ambient N/A

Explain any discrepancies: _____

Was client contacted? _____ Who was called? _____ By whom? _____ Date: _____

Outcome of call: _____



December 5, 2022

Ms. Stephanie Renando
Landau Associates, Inc.
155 NE 100th St, Ste 302
Seattle, WA 98125

Dear Ms. Renando,

On November 22nd, 7 samples were received by our laboratory and assigned our laboratory project number EV22110140. The project was identified as your TECT RI - 222057.040.043. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Glen Perry
Laboratory Director



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/5/2022
		ALS JOB#:	EV22110140
CLIENT CONTACT:	Stephanie Renando	ALS SAMPLE#:	EV22110140-01
CLIENT PROJECT:	TECT RI - 222057.040.043	DATE RECEIVED:	11/22/2022
CLIENT SAMPLE ID	RISB-74-(7-8')	COLLECTION DATE:	11/21/2022 12:00:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	3.0	1	MG/KG	11/30/2022	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	25	1	MG/KG	12/01/2022	DHM
TPH-Oil Range (C24-C40)	NWTPH-DX	U	50	1	MG/KG	12/01/2022	DHM
Vinyl Chloride	EPA-8260	0.069	0.050	1	UG/KG	11/28/2022	DLC
Chloroethane	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
Carbon Tetrachloride	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
Carbon Disulfide	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
Acetone	EPA-8260	U	50	1	UG/KG	11/28/2022	DLC
1,1-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
Methylene Chloride	EPA-8260	U	1.6	1	UG/KG	11/28/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
1,1-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
2-Butanone	EPA-8260	U	50	1	UG/KG	11/28/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
Chloroform	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
1,2-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
Benzene	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
Trichloroethene	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
1,2-Dichloropropane	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	50	1	UG/KG	11/28/2022	DLC
Toluene	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
2-Hexanone	EPA-8260	U	50	1	UG/KG	11/28/2022	DLC
Tetrachloroethylene	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	11/28/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
Ethylbenzene	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
Isopropylbenzene	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
N-Propyl Benzene	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
S-Butyl Benzene	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
P-Isopropyltoluene	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
Naphthalene	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
Xylenes	EPA-8260	U	20	1	UG/KG	11/28/2022	DLC

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/5/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110140
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110140-01
CLIENT SAMPLE ID	RISB-74-(7-8')	DATE RECEIVED:	11/22/2022
		COLLECTION DATE:	11/21/2022 12:00:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
TFT	NWTPH-GX	74.1	11/30/2022	KLS
C25	NWTPH-DX	96.5	12/01/2022	DHM
1,2-Dichloroethane-d4	EPA-8260	101	11/28/2022	DLC
Toluene-d8	EPA-8260	99.6	11/28/2022	DLC
4-Bromofluorobenzene	EPA-8260	106	11/28/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/5/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110140
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110140-02
CLIENT SAMPLE ID	RISB-74-(19-20')	DATE RECEIVED:	11/22/2022
		COLLECTION DATE:	11/21/2022 1:30:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	3.0	1	MG/KG	11/30/2022	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	25	1	MG/KG	12/01/2022	DHM
TPH-Oil Range (C24-C40)	NWTPH-DX	U	50	1	MG/KG	12/01/2022	DHM
Vinyl Chloride	EPA-8260	U	0.050	1	UG/KG	11/28/2022	DLC
Chloroethane	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
Carbon Tetrachloride	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
Carbon Disulfide	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
Acetone	EPA-8260	U	50	1	UG/KG	11/28/2022	DLC
1,1-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
Methylene Chloride	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
1,1-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
2-Butanone	EPA-8260	U	50	1	UG/KG	11/28/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
Chloroform	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
1,2-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
Benzene	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
Trichloroethene	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
1,2-Dichloropropane	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	50	1	UG/KG	11/28/2022	DLC
Toluene	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
2-Hexanone	EPA-8260	U	50	1	UG/KG	11/28/2022	DLC
Tetrachloroethylene	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	11/28/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
Ethylbenzene	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
Isopropylbenzene	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
N-Propyl Benzene	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
S-Butyl Benzene	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
P-Isopropyltoluene	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
Naphthalene	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
Xylenes	EPA-8260	U	20	1	UG/KG	11/28/2022	DLC

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/5/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110140
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110140-02
CLIENT SAMPLE ID	RISB-74-(19-20')	DATE RECEIVED:	11/22/2022
		COLLECTION DATE:	11/21/2022 1:30:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
TFT	NWTPH-GX	82.4	11/30/2022	KLS
C25	NWTPH-DX	97.4	12/01/2022	DHM
1,2-Dichloroethane-d4	EPA-8260	99.2	11/28/2022	DLC
Toluene-d8	EPA-8260	97.5	11/28/2022	DLC
4-Bromofluorobenzene	EPA-8260	99.0	11/28/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/5/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110140
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110140-03
CLIENT SAMPLE ID	RISB-74-(29-30')	DATE RECEIVED:	11/22/2022
		COLLECTION DATE:	11/21/2022 2:30:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	3.0	1	MG/KG	12/01/2022	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	25	1	MG/KG	12/01/2022	DHM
TPH-Oil Range (C24-C40)	NWTPH-DX	U	50	1	MG/KG	12/01/2022	DHM
Vinyl Chloride	EPA-8260	U	0.050	1	UG/KG	11/28/2022	DLC
Chloroethane	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
Carbon Tetrachloride	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
Carbon Disulfide	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
Acetone	EPA-8260	U	50	1	UG/KG	11/28/2022	DLC
1,1-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
Methylene Chloride	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
1,1-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
2-Butanone	EPA-8260	U	50	1	UG/KG	11/28/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
Chloroform	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
1,2-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
Benzene	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
Trichloroethene	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
1,2-Dichloropropane	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	50	1	UG/KG	11/28/2022	DLC
Toluene	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
2-Hexanone	EPA-8260	U	50	1	UG/KG	11/28/2022	DLC
Tetrachloroethylene	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	11/28/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
Ethylbenzene	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
Isopropylbenzene	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
N-Propyl Benzene	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
S-Butyl Benzene	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
P-Isopropyltoluene	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
Naphthalene	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
Xylenes	EPA-8260	U	20	1	UG/KG	11/28/2022	DLC

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/5/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110140
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110140-03
CLIENT SAMPLE ID	RISB-74-(29-30')	DATE RECEIVED:	11/22/2022
		COLLECTION DATE:	11/21/2022 2:30:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
TFT	NWTPH-GX	83.3	12/01/2022	KLS
C25	NWTPH-DX	94.6	12/01/2022	DHM
1,2-Dichloroethane-d4	EPA-8260	101	11/28/2022	DLC
Toluene-d8	EPA-8260	99.9	11/28/2022	DLC
4-Bromofluorobenzene	EPA-8260	103	11/28/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/5/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110140
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110140-04
CLIENT SAMPLE ID	RISB-75-(7-8')	DATE RECEIVED:	11/22/2022
		COLLECTION DATE:	11/22/2022 9:30:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
Vinyl Chloride	EPA-8260	U	0.050	1	UG/KG	11/28/2022	DLC
Chloroethane	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
Carbon Tetrachloride	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
Carbon Disulfide	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
Acetone	EPA-8260	U	50	1	UG/KG	11/28/2022	DLC
1,1-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
Methylene Chloride	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
1,1-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
2-Butanone	EPA-8260	U	50	1	UG/KG	11/28/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
Chloroform	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
1,2-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
Benzene	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
Trichloroethene	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
1,2-Dichloropropane	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	50	1	UG/KG	11/28/2022	DLC
Toluene	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
2-Hexanone	EPA-8260	U	50	1	UG/KG	11/28/2022	DLC
Tetrachloroethylene	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	11/28/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
Ethylbenzene	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
Isopropylbenzene	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
N-Propyl Benzene	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
S-Butyl Benzene	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
P-Isopropyltoluene	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
Naphthalene	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
Xylenes	EPA-8260	U	20	1	UG/KG	11/28/2022	DLC

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
1,2-Dichloroethane-d4	EPA-8260	97.7	11/28/2022	DLC

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/5/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110140
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110140-04
CLIENT SAMPLE ID	RISB-75-(7-8')	DATE RECEIVED:	11/22/2022
		COLLECTION DATE:	11/22/2022 9:30:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
Toluene-d8	EPA-8260	97.7	11/28/2022	DLC
4-Bromofluorobenzene	EPA-8260	98.7	11/28/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/5/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110140
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110140-05
CLIENT SAMPLE ID	RISB-75-(17-18')	DATE RECEIVED:	11/22/2022
		COLLECTION DATE:	11/22/2022 9:50:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
Vinyl Chloride	EPA-8260	U	0.050	1	UG/KG	12/01/2022	DLC
Chloroethane	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
Carbon Tetrachloride	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
Carbon Disulfide	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
Acetone	EPA-8260	U	50	1	UG/KG	12/01/2022	DLC
1,1-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
Methylene Chloride	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
1,1-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
2-Butanone	EPA-8260	U	50	1	UG/KG	12/01/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
Chloroform	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
1,2-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
Benzene	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
Trichloroethene	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
1,2-Dichloropropane	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	50	1	UG/KG	12/01/2022	DLC
Toluene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
2-Hexanone	EPA-8260	U	50	1	UG/KG	12/01/2022	DLC
Tetrachloroethylene	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	12/01/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
Ethylbenzene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
Isopropylbenzene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
N-Propyl Benzene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
S-Butyl Benzene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
P-Isopropyltoluene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
Naphthalene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
Xylenes	EPA-8260	U	20	1	UG/KG	12/01/2022	DLC

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
1,2-Dichloroethane-d4	EPA-8260	96.1	12/01/2022	DLC

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/5/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110140
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110140-05
CLIENT SAMPLE ID	RISB-75-(17-18')	DATE RECEIVED:	11/22/2022
		COLLECTION DATE:	11/22/2022 9:50:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
Toluene-d8	EPA-8260	107	12/01/2022	DLC
4-Bromofluorobenzene	EPA-8260	94.7	12/01/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/5/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110140
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110140-06
CLIENT SAMPLE ID	RISB-75-(29-30')	DATE RECEIVED:	11/22/2022
		COLLECTION DATE:	11/22/2022 10:10:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
Vinyl Chloride	EPA-8260	U	0.050	1	UG/KG	11/28/2022	DLC
Chloroethane	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
Carbon Tetrachloride	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
Carbon Disulfide	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
Acetone	EPA-8260	U	50	1	UG/KG	11/28/2022	DLC
1,1-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
Methylene Chloride	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
1,1-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
2-Butanone	EPA-8260	U	50	1	UG/KG	11/28/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
Chloroform	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
1,2-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
Benzene	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
Trichloroethene	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
1,2-Dichloropropane	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	50	1	UG/KG	11/28/2022	DLC
Toluene	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
2-Hexanone	EPA-8260	U	50	1	UG/KG	11/28/2022	DLC
Tetrachloroethylene	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	11/28/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
Ethylbenzene	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
Isopropylbenzene	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	1.5	1	UG/KG	11/28/2022	DLC
N-Propyl Benzene	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
S-Butyl Benzene	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
P-Isopropyltoluene	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
Naphthalene	EPA-8260	U	10	1	UG/KG	11/28/2022	DLC
Xylenes	EPA-8260	U	20	1	UG/KG	11/28/2022	DLC

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
1,2-Dichloroethane-d4	EPA-8260	105	11/28/2022	DLC

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/5/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110140
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110140-06
CLIENT SAMPLE ID	RISB-75-(29-30')	DATE RECEIVED:	11/22/2022
		COLLECTION DATE:	11/22/2022 10:10:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
Toluene-d8	EPA-8260	96.9	11/28/2022	DLC
4-Bromofluorobenzene	EPA-8260	103	11/28/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/5/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110140
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110140-07
CLIENT SAMPLE ID	Trip Blanks	DATE RECEIVED:	11/22/2022
		COLLECTION DATE:	11/22/2022
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Vinyl Chloride	EPA-8260	U	0.020	1	UG/L	11/30/2022	DLC
Chloroethane	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
Carbon Tetrachloride	EPA-8260	U	0.50	1	UG/L	11/30/2022	DLC
Carbon Disulfide	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
Acetone	EPA-8260	U	25	1	UG/L	11/30/2022	DLC
1,1-Dichloroethene	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
Methylene Chloride	EPA-8260	U	5.0	1	UG/L	11/30/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
1,1-Dichloroethane	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
2-Butanone	EPA-8260	U	10	1	UG/L	11/30/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
Chloroform	EPA-8260	U	0.50	1	UG/L	11/30/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
1,2-Dichloroethane	EPA-8260	U	0.020	1	UG/L	11/30/2022	DLC
Benzene	EPA-8260	U	0.50	1	UG/L	11/30/2022	DLC
Trichloroethene	EPA-8260	U	0.50	1	UG/L	11/30/2022	DLC
1,2-Dichloropropane	EPA-8260	U	0.50	1	UG/L	11/30/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	10	1	UG/L	11/30/2022	DLC
Toluene	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	0.50	1	UG/L	11/30/2022	DLC
2-Hexanone	EPA-8260	U	10	1	UG/L	11/30/2022	DLC
Tetrachloroethylene	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
1,2-Dibromoethane	EPA-8260	U	0.010	1	UG/L	11/30/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	0.50	1	UG/L	11/30/2022	DLC
Ethylbenzene	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
Isopropylbenzene	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	0.50	1	UG/L	11/30/2022	DLC
N-Propyl Benzene	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
S-Butyl Benzene	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
P-Isopropyltoluene	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
Naphthalene	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
Xylenes	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
1,2-Dichloroethane-d4	EPA-8260	103	11/30/2022	DLC

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/5/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110140
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110140-07
CLIENT SAMPLE ID	Trip Blanks	DATE RECEIVED:	11/22/2022
		COLLECTION DATE:	11/22/2022
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
Toluene-d8	EPA-8260	101	11/30/2022	DLC
4-Bromofluorobenzene	EPA-8260	102	11/30/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/5/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110140
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY BLANK RESULTS

MBG-113022S - Batch 186826 - Soil by NWTPH-GX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	MG/KG	3.0	11/30/2022	KLS

U - Analyte analyzed for but not detected at level above reporting limit.

MB-120122S - Batch 186829 - Soil by NWTPH-DX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	MG/KG	25	12/01/2022	DHM
TPH-Oil Range (C24-C40)	NWTPH-DX	U	MG/KG	50	12/01/2022	DHM

U - Analyte analyzed for but not detected at level above reporting limit.

MB-112822S - Batch 186879 - Soil by EPA-8260

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Vinyl Chloride	EPA-8260	U	UG/KG	0.050	11/28/2022	DLC
Chloroethane	EPA-8260	U	UG/KG	10	11/28/2022	DLC
Carbon Tetrachloride	EPA-8260	U	UG/KG	1.5	11/28/2022	DLC
Carbon Disulfide	EPA-8260	U	UG/KG	10	11/28/2022	DLC
Acetone	EPA-8260	U	UG/KG	50	11/28/2022	DLC
1,1-Dichloroethene	EPA-8260	U	UG/KG	1.5	11/28/2022	DLC
Methylene Chloride	EPA-8260	U	UG/KG	2.3	11/28/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	UG/KG	1.5	11/28/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	UG/KG	10	11/28/2022	DLC
1,1-Dichloroethane	EPA-8260	U	UG/KG	1.5	11/28/2022	DLC
2-Butanone	EPA-8260	U	UG/KG	50	11/28/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	UG/KG	1.5	11/28/2022	DLC
Chloroform	EPA-8260	U	UG/KG	1.5	11/28/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	UG/KG	10	11/28/2022	DLC
1,2-Dichloroethane	EPA-8260	U	UG/KG	1.5	11/28/2022	DLC
Benzene	EPA-8260	U	UG/KG	1.5	11/28/2022	DLC
Trichloroethene	EPA-8260	U	UG/KG	1.5	11/28/2022	DLC
1,2-Dichloropropane	EPA-8260	U	UG/KG	1.5	11/28/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	UG/KG	50	11/28/2022	DLC
Toluene	EPA-8260	U	UG/KG	10	11/28/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	UG/KG	1.5	11/28/2022	DLC
2-Hexanone	EPA-8260	U	UG/KG	50	11/28/2022	DLC
Tetrachloroethylene	EPA-8260	U	UG/KG	1.5	11/28/2022	DLC
1,2-Dibromoethane	EPA-8260	U	UG/KG	5.0	11/28/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	UG/KG	10	11/28/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/5/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110140
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY BLANK RESULTS

MB-112822S - Batch 186879 - Soil by EPA-8260

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Ethylbenzene	EPA-8260	U	UG/KG	10	11/28/2022	DLC
Isopropylbenzene	EPA-8260	U	UG/KG	10	11/28/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	UG/KG	1.5	11/28/2022	DLC
N-Propyl Benzene	EPA-8260	U	UG/KG	10	11/28/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	UG/KG	10	11/28/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	UG/KG	10	11/28/2022	DLC
S-Butyl Benzene	EPA-8260	U	UG/KG	10	11/28/2022	DLC
P-Isopropyltoluene	EPA-8260	U	UG/KG	10	11/28/2022	DLC
Naphthalene	EPA-8260	U	UG/KG	10	11/28/2022	DLC
Xylenes	EPA-8260	U	UG/KG	20	11/28/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.

MB-120122S - Batch 186886 - Soil by EPA-8260

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Vinyl Chloride	EPA-8260	U	UG/KG	0.050	12/01/2022	DLC
Chloroethane	EPA-8260	U	UG/KG	10	12/01/2022	DLC
Carbon Tetrachloride	EPA-8260	U	UG/KG	1.5	12/01/2022	DLC
Carbon Disulfide	EPA-8260	U	UG/KG	10	12/01/2022	DLC
Acetone	EPA-8260	U	UG/KG	50	12/01/2022	DLC
1,1-Dichloroethene	EPA-8260	U	UG/KG	1.5	12/01/2022	DLC
Methylene Chloride	EPA-8260	U	UG/KG	2.3	12/01/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	UG/KG	1.5	12/01/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	UG/KG	10	12/01/2022	DLC
1,1-Dichloroethane	EPA-8260	U	UG/KG	1.5	12/01/2022	DLC
2-Butanone	EPA-8260	U	UG/KG	50	12/01/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	UG/KG	1.5	12/01/2022	DLC
Chloroform	EPA-8260	U	UG/KG	1.5	12/01/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	UG/KG	10	12/01/2022	DLC
1,2-Dichloroethane	EPA-8260	U	UG/KG	1.5	12/01/2022	DLC
Benzene	EPA-8260	U	UG/KG	1.5	12/01/2022	DLC
Trichloroethene	EPA-8260	U	UG/KG	1.5	12/01/2022	DLC
1,2-Dichloropropane	EPA-8260	U	UG/KG	1.5	12/01/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	UG/KG	50	12/01/2022	DLC
Toluene	EPA-8260	U	UG/KG	10	12/01/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	UG/KG	1.5	12/01/2022	DLC
2-Hexanone	EPA-8260	U	UG/KG	50	12/01/2022	DLC
Tetrachloroethylene	EPA-8260	U	UG/KG	1.5	12/01/2022	DLC
1,2-Dibromoethane	EPA-8260	U	UG/KG	5.0	12/01/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	UG/KG	10	12/01/2022	DLC
Ethylbenzene	EPA-8260	U	UG/KG	10	12/01/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/5/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110140
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY BLANK RESULTS

MB-120122S - Batch 186886 - Soil by EPA-8260

Isopropylbenzene	EPA-8260	U	UG/KG	10	12/01/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	UG/KG	1.5	12/01/2022	DLC
N-Propyl Benzene	EPA-8260	U	UG/KG	10	12/01/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	UG/KG	10	12/01/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	UG/KG	10	12/01/2022	DLC
S-Butyl Benzene	EPA-8260	U	UG/KG	10	12/01/2022	DLC
P-Isopropyltoluene	EPA-8260	U	UG/KG	10	12/01/2022	DLC
Naphthalene	EPA-8260	U	UG/KG	10	12/01/2022	DLC
Xylenes	EPA-8260	U	UG/KG	20	12/01/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.

MB-112922W - Batch 186782 - Water by EPA-8260

ANALYTE	METHOD	RESULTS	UNITS	REPORTING	ANALYSIS	ANALYSIS
				LIMITS	DATE	BY
Vinyl Chloride	EPA-8260	U	UG/L	0.020	11/29/2022	DLC
Chloroethane	EPA-8260	U	UG/L	2.0	11/29/2022	DLC
Carbon Tetrachloride	EPA-8260	U	UG/L	0.50	11/29/2022	DLC
Carbon Disulfide	EPA-8260	U	UG/L	2.0	11/29/2022	DLC
Acetone	EPA-8260	U	UG/L	25	11/29/2022	DLC
1,1-Dichloroethene	EPA-8260	U	UG/L	2.0	11/29/2022	DLC
Methylene Chloride	EPA-8260	U	UG/L	5.0	11/29/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	UG/L	2.0	11/29/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	UG/L	2.0	11/29/2022	DLC
1,1-Dichloroethane	EPA-8260	U	UG/L	2.0	11/29/2022	DLC
2-Butanone	EPA-8260	U	UG/L	10	11/29/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	UG/L	2.0	11/29/2022	DLC
Chloroform	EPA-8260	U	UG/L	0.50	11/29/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	UG/L	2.0	11/29/2022	DLC
1,2-Dichloroethane	EPA-8260	U	UG/L	0.020	11/29/2022	DLC
Benzene	EPA-8260	U	UG/L	0.50	11/29/2022	DLC
Trichloroethene	EPA-8260	U	UG/L	0.50	11/29/2022	DLC
1,2-Dichloropropane	EPA-8260	U	UG/L	0.50	11/29/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	UG/L	10	11/29/2022	DLC
Toluene	EPA-8260	U	UG/L	2.0	11/29/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	UG/L	0.50	11/29/2022	DLC
2-Hexanone	EPA-8260	U	UG/L	10	11/29/2022	DLC
Tetrachloroethylene	EPA-8260	U	UG/L	2.0	11/29/2022	DLC
1,2-Dibromoethane	EPA-8260	U	UG/L	0.010	11/29/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	UG/L	0.50	11/29/2022	DLC
Ethylbenzene	EPA-8260	U	UG/L	2.0	11/29/2022	DLC
Isopropylbenzene	EPA-8260	U	UG/L	2.0	11/29/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT: Landau Associates, Inc. DATE: 12/5/2022
155 NE 100th St, Ste 302 ALS SDG#: EV22110140
Seattle, WA 98125 WDOE ACCREDITATION: C601
CLIENT CONTACT: Stephanie Renando
CLIENT PROJECT: TECT RI - 222057.040.043

LABORATORY BLANK RESULTS

MB-112922W - Batch 186782 - Water by EPA-8260

Table with 7 columns: Compound Name, EPA Method, Result, Unit, Concentration, Date, and Detection Limit. Rows include 1,1,2,2-Tetrachloroethane, N-Propyl Benzene, 1,3,5-Trimethylbenzene, 1,2,4-Trimethylbenzene, S-Butyl Benzene, P-Isopropyltoluene, Naphthalene, and Xylenes.

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/5/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110140
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 186826 - Soil by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Volatile Range (C5-C12) - BS	NWTPH-GX	79.5			66.5	122.7	11/30/2022	KLS
TPH-Volatile Range (C5-C12) - BSD	NWTPH-GX	82.5	4		66.5	122.7	11/30/2022	KLS

ALS Test Batch ID: 186829 - Soil by NWTPH-DX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Diesel Range (C12-C24) - BS	NWTPH-DX	97.9			75.5	122.1	12/01/2022	DHM
TPH-Diesel Range (C12-C24) - BSD	NWTPH-DX	99.0	1		75.5	122.1	12/01/2022	DHM

ALS Test Batch ID: 186879 - Soil by EPA-8260

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Vinyl Chloride - BS	EPA-8260	96.2			50	150	11/28/2022	DLC
Vinyl Chloride - BSD	EPA-8260	101	4		50	150	11/28/2022	DLC
Chloroethane - BS	EPA-8260	94.7			50	150	11/28/2022	DLC
Chloroethane - BSD	EPA-8260	100	6		50	150	11/28/2022	DLC
Carbon Tetrachloride - BS	EPA-8260	105			50	150	11/28/2022	DLC
Carbon Tetrachloride - BSD	EPA-8260	107	2		50	150	11/28/2022	DLC
Carbon Disulfide - BS	EPA-8260	101			50	150	11/28/2022	DLC
Carbon Disulfide - BSD	EPA-8260	104	3		50	150	11/28/2022	DLC
Acetone - BS	EPA-8260	74.7			50	150	11/28/2022	DLC
Acetone - BSD	EPA-8260	65.8	13		50	150	11/28/2022	DLC
1,1-Dichloroethene - BS	EPA-8260	99.5			70	130	11/28/2022	DLC
1,1-Dichloroethene - BSD	EPA-8260	103	3		70	130	11/28/2022	DLC
Methylene Chloride - BS	EPA-8260	109			50	150	11/28/2022	DLC
Methylene Chloride - BSD	EPA-8260	118	8		50	150	11/28/2022	DLC
Methyl T-Butyl Ether - BS	EPA-8260	97.9			50	150	11/28/2022	DLC
Methyl T-Butyl Ether - BSD	EPA-8260	99.7	2		50	150	11/28/2022	DLC
Trans-1,2-Dichloroethene - BS	EPA-8260	99.2			50	150	11/28/2022	DLC
Trans-1,2-Dichloroethene - BSD	EPA-8260	101	2		50	150	11/28/2022	DLC
1,1-Dichloroethane - BS	EPA-8260	96.9			50	150	11/28/2022	DLC
1,1-Dichloroethane - BSD	EPA-8260	99.4	3		50	150	11/28/2022	DLC
2-Butanone - BS	EPA-8260	67.9			50	150	11/28/2022	DLC
2-Butanone - BSD	EPA-8260	64.4	5		50	150	11/28/2022	DLC
Cis-1,2-Dichloroethene - BS	EPA-8260	97.9			50	150	11/28/2022	DLC
Cis-1,2-Dichloroethene - BSD	EPA-8260	99.5	2		50	150	11/28/2022	DLC
Chloroform - BS	EPA-8260	100			50	150	11/28/2022	DLC
Chloroform - BSD	EPA-8260	103	3		50	150	11/28/2022	DLC
1,1,1-Trichloroethane - BS	EPA-8260	101			50	150	11/28/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/5/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110140
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
1,1,1-Trichloroethane - BSD	EPA-8260	105	3		50	150	11/28/2022	DLC
1,2-Dichloroethane - BS	EPA-8260	94.6			50	150	11/28/2022	DLC
1,2-Dichloroethane - BSD	EPA-8260	94.0	1		50	150	11/28/2022	DLC
Benzene - BS	EPA-8260	100			75	138	11/28/2022	DLC
Benzene - BSD	EPA-8260	97.6	2		75	138	11/28/2022	DLC
Trichloroethene - BS	EPA-8260	95.6			75	136	11/28/2022	DLC
Trichloroethene - BSD	EPA-8260	94.2	1		75	136	11/28/2022	DLC
1,2-Dichloropropane - BS	EPA-8260	95.5			50	150	11/28/2022	DLC
1,2-Dichloropropane - BSD	EPA-8260	94.2	1		50	150	11/28/2022	DLC
4-Methyl-2-Pentanone - BS	EPA-8260	101			50	150	11/28/2022	DLC
4-Methyl-2-Pentanone - BSD	EPA-8260	96.2	5		50	150	11/28/2022	DLC
Toluene - BS	EPA-8260	93.4			71.6	122.1	11/28/2022	DLC
Toluene - BSD	EPA-8260	93.0	1		71.6	122.1	11/28/2022	DLC
1,1,2-Trichloroethane - BS	EPA-8260	99.9			50	150	11/28/2022	DLC
1,1,2-Trichloroethane - BSD	EPA-8260	101	1		50	150	11/28/2022	DLC
2-Hexanone - BS	EPA-8260	99.4			50	150	11/28/2022	DLC
2-Hexanone - BSD	EPA-8260	92.4	7		50	150	11/28/2022	DLC
Tetrachloroethylene - BS	EPA-8260	103			50	150	11/28/2022	DLC
Tetrachloroethylene - BSD	EPA-8260	100	2		50	150	11/28/2022	DLC
1,2-Dibromoethane - BS	EPA-8260	108			50	150	11/28/2022	DLC
1,2-Dibromoethane - BSD	EPA-8260	105	2		50	150	11/28/2022	DLC
1,1,1,2-Tetrachloroethane - BS	EPA-8260	107			50	150	11/28/2022	DLC
1,1,1,2-Tetrachloroethane - BSD	EPA-8260	105	2		50	150	11/28/2022	DLC
Ethylbenzene - BS	EPA-8260	102			50	150	11/28/2022	DLC
Ethylbenzene - BSD	EPA-8260	100	1		50	150	11/28/2022	DLC
Isopropylbenzene - BS	EPA-8260	105			50	150	11/28/2022	DLC
Isopropylbenzene - BSD	EPA-8260	104	1		50	150	11/28/2022	DLC
1,1,2,2-Tetrachloroethane - BS	EPA-8260	95.0			50	150	11/28/2022	DLC
1,1,2,2-Tetrachloroethane - BSD	EPA-8260	94.0	1		50	150	11/28/2022	DLC
N-Propyl Benzene - BS	EPA-8260	95.2			50	150	11/28/2022	DLC
N-Propyl Benzene - BSD	EPA-8260	96.0	1		50	150	11/28/2022	DLC
1,3,5-Trimethylbenzene - BS	EPA-8260	97.0			50	150	11/28/2022	DLC
1,3,5-Trimethylbenzene - BSD	EPA-8260	97.4	0		50	150	11/28/2022	DLC
1,2,4-Trimethylbenzene - BS	EPA-8260	101			50	150	11/28/2022	DLC
1,2,4-Trimethylbenzene - BSD	EPA-8260	103	1		50	150	11/28/2022	DLC
S-Butyl Benzene - BS	EPA-8260	96.9			50	150	11/28/2022	DLC
S-Butyl Benzene - BSD	EPA-8260	98.2	1		50	150	11/28/2022	DLC
P-Isopropyltoluene - BS	EPA-8260	97.9			50	150	11/28/2022	DLC
P-Isopropyltoluene - BSD	EPA-8260	98.6	1		50	150	11/28/2022	DLC
Naphthalene - BS	EPA-8260	99.3			50	150	11/28/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/5/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110140
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Naphthalene - BSD	EPA-8260	105	5		50	150	11/28/2022	DLC
Xylenes - BS	EPA-8260	103			50	150	11/28/2022	DLC
Xylenes - BSD	EPA-8260	102	1		50	150	11/28/2022	DLC

ALS Test Batch ID: 186886 - Soil by EPA-8260

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Vinyl Chloride - BS	EPA-8260	116			50	150	12/01/2022	DLC
Vinyl Chloride - BSD	EPA-8260	102	13		50	150	12/02/2022	DLC
Chloroethane - BS	EPA-8260	113			50	150	12/01/2022	DLC
Chloroethane - BSD	EPA-8260	103	10		50	150	12/02/2022	DLC
Carbon Tetrachloride - BS	EPA-8260	94.0			50	150	12/01/2022	DLC
Carbon Tetrachloride - BSD	EPA-8260	90.6	4		50	150	12/02/2022	DLC
Carbon Disulfide - BS	EPA-8260	109			50	150	12/01/2022	DLC
Carbon Disulfide - BSD	EPA-8260	97.9	10		50	150	12/02/2022	DLC
Acetone - BS	EPA-8260	84.6			50	150	12/01/2022	DLC
Acetone - BSD	EPA-8260	77.8	8		50	150	12/02/2022	DLC
1,1-Dichloroethene - BS	EPA-8260	106			70	130	12/01/2022	DLC
1,1-Dichloroethene - BSD	EPA-8260	96.5	10		70	130	12/02/2022	DLC
Methylene Chloride - BS	EPA-8260	114			50	150	12/01/2022	DLC
Methylene Chloride - BSD	EPA-8260	107	6		50	150	12/02/2022	DLC
Methyl T-Butyl Ether - BS	EPA-8260	113			50	150	12/01/2022	DLC
Methyl T-Butyl Ether - BSD	EPA-8260	109	4		50	150	12/02/2022	DLC
Trans-1,2-Dichloroethene - BS	EPA-8260	101			50	150	12/01/2022	DLC
Trans-1,2-Dichloroethene - BSD	EPA-8260	92.1	9		50	150	12/02/2022	DLC
1,1-Dichloroethane - BS	EPA-8260	111			50	150	12/01/2022	DLC
1,1-Dichloroethane - BSD	EPA-8260	99.7	11		50	150	12/02/2022	DLC
2-Butanone - BS	EPA-8260	66.6			50	150	12/01/2022	DLC
2-Butanone - BSD	EPA-8260	62.9	6		50	150	12/02/2022	DLC
Cis-1,2-Dichloroethene - BS	EPA-8260	110			50	150	12/01/2022	DLC
Cis-1,2-Dichloroethene - BSD	EPA-8260	103	7		50	150	12/02/2022	DLC
Chloroform - BS	EPA-8260	107			50	150	12/01/2022	DLC
Chloroform - BSD	EPA-8260	101	6		50	150	12/02/2022	DLC
1,1,1-Trichloroethane - BS	EPA-8260	107			50	150	12/01/2022	DLC
1,1,1-Trichloroethane - BSD	EPA-8260	102	5		50	150	12/02/2022	DLC
1,2-Dichloroethane - BS	EPA-8260	99.9			50	150	12/01/2022	DLC
1,2-Dichloroethane - BSD	EPA-8260	98.0	2		50	150	12/02/2022	DLC
Benzene - BS	EPA-8260	98.7			75	138	12/01/2022	DLC
Benzene - BSD	EPA-8260	96.8	2		75	138	12/02/2022	DLC
Trichloroethene - BS	EPA-8260	98.5			75	136	12/01/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/5/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110140
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Trichloroethene - BSD	EPA-8260	96.0	2		75	136	12/02/2022	DLC
1,2-Dichloropropane - BS	EPA-8260	105			50	150	12/01/2022	DLC
1,2-Dichloropropane - BSD	EPA-8260	104	2		50	150	12/02/2022	DLC
4-Methyl-2-Pentanone - BS	EPA-8260	86.9			50	150	12/01/2022	DLC
4-Methyl-2-Pentanone - BSD	EPA-8260	88.3	2		50	150	12/02/2022	DLC
Toluene - BS	EPA-8260	93.1			71.6	122.1	12/01/2022	DLC
Toluene - BSD	EPA-8260	92.6	1		71.6	122.1	12/02/2022	DLC
1,1,2-Trichloroethane - BS	EPA-8260	106			50	150	12/01/2022	DLC
1,1,2-Trichloroethane - BSD	EPA-8260	107	0		50	150	12/02/2022	DLC
2-Hexanone - BS	EPA-8260	92.1			50	150	12/01/2022	DLC
2-Hexanone - BSD	EPA-8260	91.3	1		50	150	12/02/2022	DLC
Tetrachloroethylene - BS	EPA-8260	101			50	150	12/01/2022	DLC
Tetrachloroethylene - BSD	EPA-8260	105	4		50	150	12/02/2022	DLC
1,2-Dibromoethane - BS	EPA-8260	113			50	150	12/01/2022	DLC
1,2-Dibromoethane - BSD	EPA-8260	110	3		50	150	12/02/2022	DLC
1,1,1,2-Tetrachloroethane - BS	EPA-8260	118			50	150	12/01/2022	DLC
1,1,1,2-Tetrachloroethane - BSD	EPA-8260	113	4		50	150	12/02/2022	DLC
Ethylbenzene - BS	EPA-8260	104			50	150	12/01/2022	DLC
Ethylbenzene - BSD	EPA-8260	99.8	5		50	150	12/02/2022	DLC
Isopropylbenzene - BS	EPA-8260	96.3			50	150	12/01/2022	DLC
Isopropylbenzene - BSD	EPA-8260	93.6	3		50	150	12/02/2022	DLC
1,1,2,2-Tetrachloroethane - BS	EPA-8260	85.4			50	150	12/01/2022	DLC
1,1,2,2-Tetrachloroethane - BSD	EPA-8260	85.8	0		50	150	12/02/2022	DLC
N-Propyl Benzene - BS	EPA-8260	87.4			50	150	12/01/2022	DLC
N-Propyl Benzene - BSD	EPA-8260	85.5	2		50	150	12/02/2022	DLC
1,3,5-Trimethylbenzene - BS	EPA-8260	92.2			50	150	12/01/2022	DLC
1,3,5-Trimethylbenzene - BSD	EPA-8260	91.9	0		50	150	12/02/2022	DLC
1,2,4-Trimethylbenzene - BS	EPA-8260	86.8			50	150	12/01/2022	DLC
1,2,4-Trimethylbenzene - BSD	EPA-8260	85.1	2		50	150	12/02/2022	DLC
S-Butyl Benzene - BS	EPA-8260	87.4			50	150	12/01/2022	DLC
S-Butyl Benzene - BSD	EPA-8260	88.1	1		50	150	12/02/2022	DLC
P-Isopropyltoluene - BS	EPA-8260	87.7			50	150	12/01/2022	DLC
P-Isopropyltoluene - BSD	EPA-8260	87.6	0		50	150	12/02/2022	DLC
Naphthalene - BS	EPA-8260	89.4			50	150	12/01/2022	DLC
Naphthalene - BSD	EPA-8260	92.8	4		50	150	12/02/2022	DLC
Xylenes - BS	EPA-8260	108			50	150	12/01/2022	DLC
Xylenes - BSD	EPA-8260	106	2		50	150	12/02/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/5/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110140
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 186782 - Water by EPA-8260

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Vinyl Chloride - BS	EPA-8260	121			50	150	11/29/2022	DLC
Vinyl Chloride - BSD	EPA-8260	116	4		50	150	11/29/2022	DLC
Chloroethane - BS	EPA-8260	108			50	150	11/29/2022	DLC
Chloroethane - BSD	EPA-8260	104	3		50	150	11/29/2022	DLC
Carbon Tetrachloride - BS	EPA-8260	112			50	150	11/29/2022	DLC
Carbon Tetrachloride - BSD	EPA-8260	109	3		50	150	11/29/2022	DLC
Carbon Disulfide - BS	EPA-8260	115			50	150	11/29/2022	DLC
Carbon Disulfide - BSD	EPA-8260	112	3		50	150	11/29/2022	DLC
Acetone - BS	EPA-8260	114			50	150	11/29/2022	DLC
Acetone - BSD	EPA-8260	107	6		50	150	11/29/2022	DLC
1,1-Dichloroethene - BS	EPA-8260	116			72.5	136	11/29/2022	DLC
1,1-Dichloroethene - BSD	EPA-8260	112	3		72.5	136	11/29/2022	DLC
Methylene Chloride - BS	EPA-8260	98.6			50	150	11/29/2022	DLC
Methylene Chloride - BSD	EPA-8260	99.2	1		50	150	11/29/2022	DLC
Methyl T-Butyl Ether - BS	EPA-8260	102			50	150	11/29/2022	DLC
Methyl T-Butyl Ether - BSD	EPA-8260	102	0		50	150	11/29/2022	DLC
Trans-1,2-Dichloroethene - BS	EPA-8260	106			50	150	11/29/2022	DLC
Trans-1,2-Dichloroethene - BSD	EPA-8260	103	3		50	150	11/29/2022	DLC
1,1-Dichloroethane - BS	EPA-8260	105			50	150	11/29/2022	DLC
1,1-Dichloroethane - BSD	EPA-8260	103	3		50	150	11/29/2022	DLC
2-Butanone - BS	EPA-8260	115			50	150	11/29/2022	DLC
2-Butanone - BSD	EPA-8260	112	3		50	150	11/29/2022	DLC
Cis-1,2-Dichloroethene - BS	EPA-8260	104			50	150	11/29/2022	DLC
Cis-1,2-Dichloroethene - BSD	EPA-8260	102	2		50	150	11/29/2022	DLC
Chloroform - BS	EPA-8260	107			50	150	11/29/2022	DLC
Chloroform - BSD	EPA-8260	105	2		50	150	11/29/2022	DLC
1,1,1-Trichloroethane - BS	EPA-8260	109			50	150	11/29/2022	DLC
1,1,1-Trichloroethane - BSD	EPA-8260	106	3		50	150	11/29/2022	DLC
1,2-Dichloroethane - BS	EPA-8260	106			50	150	11/29/2022	DLC
1,2-Dichloroethane - BSD	EPA-8260	105	1		50	150	11/29/2022	DLC
Benzene - BS	EPA-8260	108			74.7	143	11/29/2022	DLC
Benzene - BSD	EPA-8260	105	3		74.7	143	11/29/2022	DLC
Trichloroethene - BS	EPA-8260	111			74.4	141	11/29/2022	DLC
Trichloroethene - BSD	EPA-8260	107	3		74.4	141	11/29/2022	DLC
1,2-Dichloropropane - BS	EPA-8260	106			50	150	11/29/2022	DLC
1,2-Dichloropropane - BSD	EPA-8260	103	2		50	150	11/29/2022	DLC
4-Methyl-2-Pentanone - BS	EPA-8260	107			50	150	11/29/2022	DLC
4-Methyl-2-Pentanone - BSD	EPA-8260	106	1		50	150	11/29/2022	DLC
Toluene - BS	EPA-8260	105			71.7	139	11/29/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/5/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110140
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Toluene - BSD	EPA-8260	102	3		71.7	139	11/29/2022	DLC
1,1,2-Trichloroethane - BS	EPA-8260	104			50	150	11/29/2022	DLC
1,1,2-Trichloroethane - BSD	EPA-8260	104	1		50	150	11/29/2022	DLC
2-Hexanone - BS	EPA-8260	111			50	150	11/29/2022	DLC
2-Hexanone - BSD	EPA-8260	109	2		50	150	11/29/2022	DLC
Tetrachloroethylene - BS	EPA-8260	109			50	150	11/29/2022	DLC
Tetrachloroethylene - BSD	EPA-8260	103	6		50	150	11/29/2022	DLC
1,2-Dibromoethane - BS	EPA-8260	107			50	150	11/29/2022	DLC
1,2-Dibromoethane - BSD	EPA-8260	107	0		50	150	11/29/2022	DLC
1,1,1,2-Tetrachloroethane - BS	EPA-8260	103			50	150	11/29/2022	DLC
1,1,1,2-Tetrachloroethane - BSD	EPA-8260	101	2		50	150	11/29/2022	DLC
Ethylbenzene - BS	EPA-8260	106			50	150	11/29/2022	DLC
Ethylbenzene - BSD	EPA-8260	103	3		50	150	11/29/2022	DLC
Isopropylbenzene - BS	EPA-8260	107			50	150	11/29/2022	DLC
Isopropylbenzene - BSD	EPA-8260	104	3		50	150	11/29/2022	DLC
1,1,2,2-Tetrachloroethane - BS	EPA-8260	100			50	150	11/29/2022	DLC
1,1,2,2-Tetrachloroethane - BSD	EPA-8260	101	1		50	150	11/29/2022	DLC
N-Propyl Benzene - BS	EPA-8260	106			50	150	11/29/2022	DLC
N-Propyl Benzene - BSD	EPA-8260	103	2		50	150	11/29/2022	DLC
1,3,5-Trimethylbenzene - BS	EPA-8260	116			50	150	11/29/2022	DLC
1,3,5-Trimethylbenzene - BSD	EPA-8260	114	2		50	150	11/29/2022	DLC
1,2,4-Trimethylbenzene - BS	EPA-8260	119			50	150	11/29/2022	DLC
1,2,4-Trimethylbenzene - BSD	EPA-8260	117	2		50	150	11/29/2022	DLC
S-Butyl Benzene - BS	EPA-8260	108			50	150	11/29/2022	DLC
S-Butyl Benzene - BSD	EPA-8260	105	2		50	150	11/29/2022	DLC
P-Isopropyltoluene - BS	EPA-8260	114			50	150	11/29/2022	DLC
P-Isopropyltoluene - BSD	EPA-8260	111	3		50	150	11/29/2022	DLC
Naphthalene - BS	EPA-8260	109			50	150	11/29/2022	DLC
Naphthalene - BSD	EPA-8260	110	1		50	150	11/29/2022	DLC
Xylenes - BS	EPA-8260	105			50	150	11/29/2022	DLC
Xylenes - BSD	EPA-8260	102	3		50	150	11/29/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/5/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110140
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

MATRIX SPIKE RESULTS

ALS Test Batch ID: 186826 - Soil

Parent Sample: RISB-74-(7-8')

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	SPIKE ADDED	PARENT SAMPLE RESULT	LIMITS			ANALYSIS DATE	ANALYSIS BY	
							RESULT	MIN	MAX			
TPH-Volatile Range (C5-C12) - MS	NWTPH-GX	102			15.6	0.66	16.6	66.5	122.7		11/30/2022	KLS
TPH-Volatile Range (C5-C12) - MSD	NWTPH-GX	107	5		15.6	0.66	17.4	66.5	122.7	9.14	11/30/2022	KLS

ALS Test Batch ID: 186829 - Soil

Parent Sample: RISB-74-(7-8')

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	SPIKE ADDED	PARENT SAMPLE RESULT	LIMITS			ANALYSIS DATE	ANALYSIS BY	
							RESULT	MIN	MAX			
TPH-Diesel Range (C12-C24) - MS	NWTPH-DX	94.1			96.3	3.7	94.3	75.5	122.1		12/01/2022	DHM
TPH-Diesel Range (C12-C24) - MSD	NWTPH-DX	95.9	2		96.3	3.7	96.1	75.5	122.1	15.2	12/01/2022	DHM

ALS Test Batch ID: 186879 - Soil

Parent Sample: RISB-74-(7-8')

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	SPIKE ADDED	PARENT SAMPLE RESULT	LIMITS			ANALYSIS DATE	ANALYSIS BY	
							RESULT	MIN	MAX			
Vinyl Chloride - MS	EPA-8260	89.8			10.5	0.069	9.51	50	150		11/28/2022	DLC
Vinyl Chloride - MSD	EPA-8260	88.7	16		12.5	0.069	11.2	50	150	25	11/28/2022	DLC
Chloroethane - MS	EPA-8260	89.2			10.5	0	9.38	50	150		11/28/2022	DLC
Chloroethane - MSD	EPA-8260	89.3	17		12.5	0	11.2	50	150	25	11/28/2022	DLC
Carbon Tetrachloride - MS	EPA-8260	98.0			10.5	0	10.3	50	150		11/28/2022	DLC
Carbon Tetrachloride - MSD	EPA-8260	95.5	15		12.5	0	11.9	50	150	25	11/28/2022	DLC
Carbon Disulfide - MS	EPA-8260	79.6			10.5	1.3	9.70	50	150		11/28/2022	DLC
Carbon Disulfide - MSD	EPA-8260	77.3	13		12.5	1.3	11.0	50	150	25	11/28/2022	DLC
Acetone - MS	EPA-8260	124			10.5	3.1	16.2	50	150		11/28/2022	DLC
Acetone - MSD	EPA-8260	135	21		12.5	3.1	20.0	50	150	25	11/28/2022	DLC
1,1-Dichloroethene - MS	EPA-8260	91.5			10.5	0	9.61	70	130		11/28/2022	DLC
1,1-Dichloroethene - MSD	EPA-8260	89.3	15		12.5	0	11.2	70	130	22	11/28/2022	DLC
Methylene Chloride - MS	EPA-8260	85.4			10.5	0	8.97	50	150		11/28/2022	DLC
Methylene Chloride - MSD	EPA-8260	96.7	30	SR1	12.5	0	12.1	50	150	25	11/28/2022	DLC
Methyl T-Butyl Ether - MS	EPA-8260	92.7			10.5	0	9.74	50	150		11/28/2022	DLC
Methyl T-Butyl Ether - MSD	EPA-8260	93.3	18		12.5	0	11.7	50	150	25	11/28/2022	DLC
Trans-1,2-Dichloroethene - MS	EPA-8260	87.6			10.5	0	9.20	50	150		11/28/2022	DLC
Trans-1,2-Dichloroethene - MSD	EPA-8260	85.6	15		12.5	0	10.7	50	150	25	11/28/2022	DLC
1,1-Dichloroethane - MS	EPA-8260	91.6			10.5	0	9.62	50	150		11/28/2022	DLC
1,1-Dichloroethane - MSD	EPA-8260	90.8	16		12.5	0	11.4	50	150	25	11/28/2022	DLC
2-Butanone - MS	EPA-8260	108			10.5	0.35	11.7	50	150		11/28/2022	DLC
2-Butanone - MSD	EPA-8260	109	18		12.5	0.35	14.0	50	150	25	11/28/2022	DLC
Cis-1,2-Dichloroethene - MS	EPA-8260	90.3			10.5	0	9.49	50	150		11/28/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/5/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110140
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

MATRIX SPIKE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	SPIKE ADDED	PARENT SAMPLE	RESULT	LIMITS		RPD	ANALYSIS DATE	ANALYSIS BY
						RESULT		MIN	MAX			
Cis-1,2-Dichloroethene - MSD	EPA-8260	88.0	15		12.5	0	11.0	50	150	25	11/28/2022	DLC
Chloroform - MS	EPA-8260	93.8			10.5	0	9.86	50	150		11/28/2022	DLC
Chloroform - MSD	EPA-8260	92.9	16		12.5	0	11.6	50	150	25	11/28/2022	DLC
1,1,1-Trichloroethane - MS	EPA-8260	96.8			10.5	0	10.2	50	150		11/28/2022	DLC
1,1,1-Trichloroethane - MSD	EPA-8260	93.6	14		12.5	0	11.7	50	150	25	11/28/2022	DLC
1,2-Dichloroethane - MS	EPA-8260	83.5			10.5	0	8.78	50	150		11/28/2022	DLC
1,2-Dichloroethane - MSD	EPA-8260	82.0	16		12.5	0	10.3	50	150	25	11/28/2022	DLC
Benzene - MS	EPA-8260	88.2			10.5	0	9.27	75	138		11/28/2022	DLC
Benzene - MSD	EPA-8260	84.0	13		12.5	0	10.5	75	138	21	11/28/2022	DLC
Trichloroethene - MS	EPA-8260	85.8			10.5	0.021	9.03	75	136		11/28/2022	DLC
Trichloroethene - MSD	EPA-8260	82.9	14		12.5	0.021	10.4	75	136	20	11/28/2022	DLC
1,2-Dichloropropane - MS	EPA-8260	84.5			10.5	0	8.88	50	150		11/28/2022	DLC
1,2-Dichloropropane - MSD	EPA-8260	81.3	14		12.5	0	10.2	50	150	25	11/28/2022	DLC
4-Methyl-2-Pentanone - MS	EPA-8260	85.4			10.5	0	8.97	50	150		11/28/2022	DLC
4-Methyl-2-Pentanone - MSD	EPA-8260	84.8	17		12.5	0	10.6	50	150	25	11/28/2022	DLC
Toluene - MS	EPA-8260	82.6			10.5	0	8.68	71.6	122.1		11/28/2022	DLC
Toluene - MSD	EPA-8260	79.7	14		12.5	0	9.97	71.6	122.1	21	11/28/2022	DLC
1,1,2-Trichloroethane - MS	EPA-8260	90.1			10.5	0	9.47	50	150		11/28/2022	DLC
1,1,2-Trichloroethane - MSD	EPA-8260	84.1	10		12.5	0	10.5	50	150	25	11/28/2022	DLC
2-Hexanone - MS	EPA-8260	118			10.5	0	12.4	50	150		11/28/2022	DLC
2-Hexanone - MSD	EPA-8260	111	11		12.5	0	13.8	50	150	25	11/28/2022	DLC
Tetrachloroethylene - MS	EPA-8260	139			10.5	0	14.6	50	150		11/28/2022	DLC
Tetrachloroethylene - MSD	EPA-8260	138	17		12.5	0	17.3	50	150	25	11/28/2022	DLC
1,2-Dibromoethane - MS	EPA-8260	91.1			10.5	0	9.58	50	150		11/28/2022	DLC
1,2-Dibromoethane - MSD	EPA-8260	88.7	15		12.5	0	11.1	50	150	25	11/28/2022	DLC
1,1,1,2-Tetrachloroethane - MS	EPA-8260	94.2			10.5	0	9.90	50	150		11/28/2022	DLC
1,1,1,2-Tetrachloroethane - MSD	EPA-8260	90.2	13		12.5	0	11.3	50	150	25	11/28/2022	DLC
Ethylbenzene - MS	EPA-8260	87.1			10.5	0	9.15	50	150		11/28/2022	DLC
Ethylbenzene - MSD	EPA-8260	82.7	12		12.5	0	10.3	50	150	25	11/28/2022	DLC
Isopropylbenzene - MS	EPA-8260	89.8			10.5	0	9.44	50	150		11/28/2022	DLC
Isopropylbenzene - MSD	EPA-8260	85.0	12		12.5	0	10.6	50	150	25	11/28/2022	DLC
1,1,2,2-Tetrachloroethane - MS	EPA-8260	75.4			10.5	0	7.93	50	150		11/28/2022	DLC
1,1,2,2-Tetrachloroethane - MSD	EPA-8260	72.6	14		12.5	0	9.08	50	150	25	11/28/2022	DLC
N-Propyl Benzene - MS	EPA-8260	78.2			10.5	0	8.22	50	150		11/28/2022	DLC
N-Propyl Benzene - MSD	EPA-8260	74.0	12		12.5	0	9.26	50	150	25	11/28/2022	DLC
1,3,5-Trimethylbenzene - MS	EPA-8260	80.7			10.5	0	8.48	50	150		11/28/2022	DLC
1,3,5-Trimethylbenzene - MSD	EPA-8260	77.8	14		12.5	0	9.73	50	150	25	11/28/2022	DLC
1,2,4-Trimethylbenzene - MS	EPA-8260	85.3			10.5	0	8.96	50	150		11/28/2022	DLC
1,2,4-Trimethylbenzene - MSD	EPA-8260	82.4	14		12.5	0	10.3	50	150	25	11/28/2022	DLC
S-Butyl Benzene - MS	EPA-8260	80.2			10.5	0	8.43	50	150		11/28/2022	DLC

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/5/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110140
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

MATRIX SPIKE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	SPIKE ADDED	PARENT SAMPLE RESULT	LIMITS			ANALYSIS DATE	ANALYSIS BY	
							MIN	MAX	RPD			
S-Butyl Benzene - MSD	EPA-8260	75.5	11		12.5	0	9.44	50	150	25	11/28/2022	DLC
P-Isopropyltoluene - MS	EPA-8260	81.2			10.5	0	8.54	50	150		11/28/2022	DLC
P-Isopropyltoluene - MSD	EPA-8260	77.4	13		12.5	0	9.68	50	150	25	11/28/2022	DLC
Naphthalene - MS	EPA-8260	78.2			10.5	0	8.21	50	150		11/28/2022	DLC
Naphthalene - MSD	EPA-8260	75.0	13		12.5	0	9.37	50	150	25	11/28/2022	DLC
Xylenes - MS	EPA-8260	89.7			31.5	0	28.3	50	150		11/28/2022	DLC
Xylenes - MSD	EPA-8260	85.5	13		37.5	0	32.1	50	150	25	11/28/2022	DLC

SR1 - RPD outside of control limits.

APPROVED BY



Laboratory Director



Chain-of-Custody Record

Eu22110140

- North Seattle (206) 631-8660
- Tacoma (253) 926-2493
- Olympia (360) 791-3178
- Spokane (509) 327-9737
- Portland (503) 542-1080

Date 11/21/22
 Page 1 of 1

Turnaround Time:
 Standard
 Accelerated

Project Name TECT R1 Project No. 22057-040-043
 Project Location/Event TECT WA / Phase III
 Sampler's Name Kalpana Prasad
 Project Contact Stephane Bonardo
 Send Results To S. Bonardo, Tony Nickeman, data@landauinc.com

Testing Parameters

VOCs (S200 D)
 NWTPH-Dx/Oru
 NWTPH-Gx
 MS/MSD
 PID Readings (ppm)

Special Handling Requirements:

Shipment Method: DROP-OFF

Stored on ice: Yes No

Sample I.D.	Date	Time	Matrix	No. of Containers	VOCs (S200 D)	NWTPH-Dx/Oru	NWTPH-Gx	MS/MSD	PID Readings (ppm)	Observations/Comments
1 R1SB-74-(7-8')	11/21/22	1200	Soil	5	X	X	X	X	3.9	
2 R1SB-74-(19-20')	↓	1330		5	X	X	X		2.9	Allow water samples to settle, collect aliquot from clear portion <input type="checkbox"/>
3 R1SB-74-(29-30')	↓	1430		5	X	X	X		3.5	
4 R1SB-75-(7-8')	11/22/22	930		5	X	X	X		1.6	NWTPH-Dx - Acid wash cleanup <input type="checkbox"/> - Silica gel cleanup <input type="checkbox"/>
5 R1SB-75-(17-18')	↓	950		5	X	X	X		1.0	
6 R1SB-75-(29-30')	↓	1010		5	X	X	X		0.0	Dissolved metal samples were field filtered
7 Trip Blanks	↓	—	AQ	2	X					

Relinquished by
 Signature [Signature]
 Printed Name Devan King
 Company Landau
 Date 11/22/22 Time 1303

Received by
 Signature am ALS
 Printed Name _____
 Company ALS
 Date 11-22-22 Time 1:03

Relinquished by
 Signature _____
 Printed Name _____
 Company _____
 Date _____ Time _____

Received by
 Signature _____
 Printed Name _____
 Company _____
 Date _____ Time _____

ALS ENVIRONMENTAL

Sample Receiving Checklist

Client: Landau Associates

ALS Job #: Ev22110140

Project: Tect RI

Received Date: 11-22-22 Received Time: 1:00 By: MH

Type of shipping container: Cooler Box Other

Shipped via: FedEx Ground UPS Mail Courier Hand Delivered
FedEx Express

	<u>Yes</u>	<u>No</u>	<u>N/A</u>
Were custody seals on outside of shipping container?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
If yes, how many? _____ Where? _____			
Custody seal date: _____ Seal name: _____			

Was Chain of Custody properly filled out (ink, signed, dated, etc.)?

Did all bottles have labels?

Did all bottle labels and tags agree with Chain of Custody?

Were samples received within hold time?

Did all bottles arrive in good condition (unbroken, etc.)?

Was sufficient amount of sample sent for the tests indicated?

Was correct preservation added to samples?

If no, Sample Control added preservative to the following:

<u>Sample Number</u>	<u>Reagent</u>	<u>Analyte</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

Received 5035 - Low Iats.:
3 sets for sample #1
1 set for samples #2 + 3

Were VOA vials checked for absence of air bubbles?

Bubbles present in sample #: None

Temperature of cooler upon receipt: 4.3°C on Ice Cold Cool Ambient N/A

Explain any discrepancies: _____

Was client contacted? Who was called? _____ By whom? _____ Date: _____

Outcome of call: _____



December 21, 2022

Ms. Stephanie Renando
Landau Associates, Inc.
155 NE 100th St, Ste 302
Seattle, WA 98125

Dear Ms. Renando,

On November 23rd, 10 samples were received by our laboratory and assigned our laboratory project number EV22110154. The project was identified as your TECT RI - 222057.040.043. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Glen Perry
Laboratory Director



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/21/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110154
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110154-01
CLIENT SAMPLE ID	Trip Blanks	DATE RECEIVED:	11/23/2022
		COLLECTION DATE:	11/22/2022
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
Vinyl Chloride	EPA-8260	U	0.020	1	UG/L	11/30/2022	DLC
Chloroethane	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
Carbon Tetrachloride	EPA-8260	U	0.50	1	UG/L	11/30/2022	DLC
Carbon Disulfide	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
Acetone	EPA-8260	U	25	1	UG/L	11/30/2022	DLC
1,1-Dichloroethene	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
Methylene Chloride	EPA-8260	U	5.0	1	UG/L	11/30/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
1,1-Dichloroethane	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
2-Butanone	EPA-8260	U	10	1	UG/L	11/30/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
Chloroform	EPA-8260	U	0.50	1	UG/L	11/30/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
1,2-Dichloroethane	EPA-8260	U	0.020	1	UG/L	11/30/2022	DLC
Benzene	EPA-8260	U	0.50	1	UG/L	11/30/2022	DLC
Trichloroethene	EPA-8260	U	0.50	1	UG/L	11/30/2022	DLC
1,2-Dichloropropane	EPA-8260	U	0.50	1	UG/L	11/30/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	10	1	UG/L	11/30/2022	DLC
Toluene	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	0.50	1	UG/L	11/30/2022	DLC
2-Hexanone	EPA-8260	U	10	1	UG/L	11/30/2022	DLC
Tetrachloroethylene	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
1,2-Dibromoethane	EPA-8260	U	0.010	1	UG/L	11/30/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	0.50	1	UG/L	11/30/2022	DLC
Ethylbenzene	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
Isopropylbenzene	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	0.50	1	UG/L	11/30/2022	DLC
N-Propyl Benzene	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
S-Butyl Benzene	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
P-Isopropyltoluene	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
Naphthalene	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
Xylenes	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
1,2-Dichloroethane-d4	EPA-8260	102	11/30/2022	DLC

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/21/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110154
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110154-01
CLIENT SAMPLE ID	Trip Blanks	DATE RECEIVED:	11/23/2022
		COLLECTION DATE:	11/22/2022
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
Toluene-d8	EPA-8260	101	11/30/2022	DLC
4-Bromofluorobenzene	EPA-8260	102	11/30/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/21/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110154
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110154-02
CLIENT SAMPLE ID	RISB-76-(9-10')	DATE RECEIVED:	11/23/2022
		COLLECTION DATE:	11/22/2022 2:30:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Vinyl Chloride	EPA-8260	U	0.050	1	UG/KG	12/01/2022	DLC
Chloroethane	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
Carbon Tetrachloride	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
Carbon Disulfide	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
Acetone	EPA-8260	U	50	1	UG/KG	12/01/2022	DLC
1,1-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
Methylene Chloride	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
1,1-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
2-Butanone	EPA-8260	U	50	1	UG/KG	12/01/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	2.2	1.5	1	UG/KG	12/01/2022	DLC
Chloroform	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
1,2-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
Benzene	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
Trichloroethene	EPA-8260	1000	99	66	UG/KG	12/02/2022	DLC
1,2-Dichloropropane	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	50	1	UG/KG	12/01/2022	DLC
Toluene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
2-Hexanone	EPA-8260	U	50	1	UG/KG	12/01/2022	DLC
Tetrachloroethylene	EPA-8260	1.5	1.5	1	UG/KG	12/01/2022	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	12/01/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
Ethylbenzene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
Isopropylbenzene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
N-Propyl Benzene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
S-Butyl Benzene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
P-Isopropyltoluene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
Naphthalene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
Xylenes	EPA-8260	U	20	1	UG/KG	12/01/2022	DLC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
1,2-Dichloroethane-d4	EPA-8260	93.3	12/01/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT: Landau Associates, Inc. DATE: 12/21/2022
155 NE 100th St, Ste 302 ALS JOB#: EV22110154
Seattle, WA 98125 ALS SAMPLE#: EV22110154-02
CLIENT CONTACT: Stephanie Renando DATE RECEIVED: 11/23/2022
CLIENT PROJECT: TECT RI - 222057.040.043 COLLECTION DATE: 11/22/2022 2:30:00 PM
CLIENT SAMPLE ID RISB-76-(9-10') WDOE ACCREDITATION: C601

SAMPLE DATA RESULTS

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
1,2-Dichloroethane-d4 66X Dilution	EPA-8260	85.2	12/02/2022	DLC
Toluene-d8	EPA-8260	106	12/01/2022	DLC
Toluene-d8 66X Dilution	EPA-8260	107	12/02/2022	DLC
4-Bromofluorobenzene	EPA-8260	86.8	12/01/2022	DLC
4-Bromofluorobenzene 66X Dilution	EPA-8260	85.6	12/02/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/21/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110154
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110154-03
CLIENT SAMPLE ID	RISB-76-(19-20')	DATE RECEIVED:	11/23/2022
		COLLECTION DATE:	11/22/2022 3:15:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
Vinyl Chloride	EPA-8260	0.35	0.050	1	UG/KG	12/01/2022	DLC
Chloroethane	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
Carbon Tetrachloride	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
Carbon Disulfide	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
Acetone	EPA-8260	U	50	1	UG/KG	12/01/2022	DLC
1,1-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
Methylene Chloride	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
1,1-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
2-Butanone	EPA-8260	U	50	1	UG/KG	12/01/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	30	1.5	1	UG/KG	12/01/2022	DLC
Chloroform	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
1,2-Dichloroethane	EPA-8260	5.9	1.5	1	UG/KG	12/01/2022	DLC
Benzene	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
Trichloroethene	EPA-8260	6400	910	609	UG/KG	12/02/2022	DLC
1,2-Dichloropropane	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	50	1	UG/KG	12/01/2022	DLC
Toluene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
2-Hexanone	EPA-8260	U	50	1	UG/KG	12/01/2022	DLC
Tetrachloroethylene	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	12/01/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
Ethylbenzene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
Isopropylbenzene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
N-Propyl Benzene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
S-Butyl Benzene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
P-Isopropyltoluene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
Naphthalene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
Xylenes	EPA-8260	U	20	1	UG/KG	12/01/2022	DLC

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
1,2-Dichloroethane-d4	EPA-8260	90.3	12/01/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT: Landau Associates, Inc. DATE: 12/21/2022
155 NE 100th St, Ste 302 ALS JOB#: EV22110154
Seattle, WA 98125 ALS SAMPLE#: EV22110154-03
CLIENT CONTACT: Stephanie Renando DATE RECEIVED: 11/23/2022
CLIENT PROJECT: TECT RI - 222057.040.043 COLLECTION DATE: 11/22/2022 3:15:00 PM
CLIENT SAMPLE ID RISB-76-(19-20') WDOE ACCREDITATION: C601

SAMPLE DATA RESULTS

SURROGATE	METHOD	%REC	ANALYSIS	
			DATE	BY
1,2-Dichloroethane-d4 609X Dilution	EPA-8260	85.8	12/02/2022	DLC
Toluene-d8	EPA-8260	110	12/01/2022	DLC
Toluene-d8 609X Dilution	EPA-8260	110	12/02/2022	DLC
4-Bromofluorobenzene	EPA-8260	88.9	12/01/2022	DLC
4-Bromofluorobenzene 609X Dilution	EPA-8260	87.0	12/02/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/21/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110154
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110154-04
CLIENT SAMPLE ID	RISB-76-GW-221122	DATE RECEIVED:	11/23/2022
		COLLECTION DATE:	11/22/2022 3:00:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	55	50	1	UG/L	11/28/2022	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX	230	130	1	UG/L	11/30/2022	DHM
TPH-Oil Range (C24-C40)	NWTPH-DX	300	250	1	UG/L	11/30/2022	DHM
Vinyl Chloride	EPA-8260	19	0.020	1	UG/L	11/30/2022	DLC
Chloroethane	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
Carbon Tetrachloride	EPA-8260	U	0.50	1	UG/L	11/30/2022	DLC
Carbon Disulfide	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
Acetone	EPA-8260	U	25	1	UG/L	11/30/2022	DLC
1,1-Dichloroethene	EPA-8260	19	2.0	1	UG/L	11/30/2022	DLC
Methylene Chloride	EPA-8260	U	5.0	1	UG/L	11/30/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	11	2.0	1	UG/L	11/30/2022	DLC
1,1-Dichloroethane	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
2-Butanone	EPA-8260	U	10	1	UG/L	11/30/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	280	20	10	UG/L	12/01/2022	DLC
Chloroform	EPA-8260	U	0.50	1	UG/L	11/30/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
1,2-Dichloroethane	EPA-8260	28	0.020	1	UG/L	11/30/2022	DLC
Benzene	EPA-8260	2.1	0.50	1	UG/L	11/30/2022	DLC
Trichloroethene	EPA-8260	1200	50	100	UG/L	12/02/2022	DLC
1,2-Dichloropropane	EPA-8260	U	0.50	1	UG/L	11/30/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	10	1	UG/L	11/30/2022	DLC
Toluene	EPA-8260	2.9	2.0	1	UG/L	11/30/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	0.50	1	UG/L	11/30/2022	DLC
2-Hexanone	EPA-8260	U	10	1	UG/L	11/30/2022	DLC
Tetrachloroethylene	EPA-8260	7.1	2.0	1	UG/L	11/30/2022	DLC
1,2-Dibromoethane	EPA-8260	U	0.010	1	UG/L	11/30/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	0.50	1	UG/L	11/30/2022	DLC
Ethylbenzene	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
Isopropylbenzene	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	0.50	1	UG/L	11/30/2022	DLC
N-Propyl Benzene	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
S-Butyl Benzene	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
P-Isopropyltoluene	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
Naphthalene	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
Xylenes	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
Benzo[A]Anthracene	EPA-8270 SIM	U, HT01	0.020	1	UG/L	12/09/2022	GAP



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/21/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110154
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110154-04
CLIENT SAMPLE ID	RISB-76-GW-221122	DATE RECEIVED:	11/23/2022
		COLLECTION DATE:	11/22/2022 3:00:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Chrysene	EPA-8270 SIM	U, HT01	0.020	1	UG/L	12/09/2022	GAP
Benzo[B]Fluoranthene	EPA-8270 SIM	0.031 HT01	0.020	1	UG/L	12/09/2022	GAP
Benzo[K]Fluoranthene	EPA-8270 SIM	U, HT01	0.020	1	UG/L	12/09/2022	GAP
Benzo[A]Pyrene	EPA-8270 SIM	U, HT01	0.020	1	UG/L	12/09/2022	GAP
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U, HT01	0.020	1	UG/L	12/09/2022	GAP
Dibenz[A,H]Anthracene	EPA-8270 SIM	U, HT01	0.020	1	UG/L	12/09/2022	GAP
Mercury	EPA-245.1	0.58	0.20	1	UG/L	12/01/2022	RAL
Mercury (Dissolved)	EPA-245.1	U	0.20	1	UG/L	12/01/2022	RAL
Arsenic	EPA-200.8	73	1.0	1	UG/L	12/07/2022	EBS
Cadmium	EPA-200.8	1.9	1.0	1	UG/L	12/07/2022	EBS
Chromium	EPA-200.8	470	2.0	1	UG/L	12/07/2022	EBS
Lead	EPA-200.8	66	1.0	1	UG/L	12/07/2022	EBS
Arsenic (Dissolved)	EPA-200.8	4.7	1.0	1	UG/L	12/02/2022	EBS
Cadmium (Dissolved)	EPA-200.8	U	1.0	1	UG/L	12/02/2022	EBS
Chromium (Dissolved)	EPA-200.8	U	2.0	1	UG/L	12/02/2022	EBS
Lead (Dissolved)	EPA-200.8	U	1.0	1	UG/L	12/02/2022	EBS
1,4-Dioxane	EPA-8270M	1.6	0.40	1	UG/L	11/28/2022	OSE

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	175 SUR12	11/28/2022	KLS
C25	NWTPH-DX	71.8	11/30/2022	DHM
1,2-Dichloroethane-d4	EPA-8260	97.5	11/30/2022	DLC
1,2-Dichloroethane-d4 10X Dilution	EPA-8260	97.3	12/01/2022	DLC
1,2-Dichloroethane-d4 100X Dilution	EPA-8260	100	12/02/2022	DLC
Toluene-d8	EPA-8260	99.5	11/30/2022	DLC
Toluene-d8 10X Dilution	EPA-8260	98.6	12/01/2022	DLC
Toluene-d8 100X Dilution	EPA-8260	99.8	12/02/2022	DLC
4-Bromofluorobenzene	EPA-8260	98.5	11/30/2022	DLC
4-Bromofluorobenzene 10X Dilution	EPA-8260	100	12/01/2022	DLC
4-Bromofluorobenzene 100X Dilution	EPA-8260	100	12/02/2022	DLC
Terphenyl-d14	EPA-8270 SIM	37.8 HT01	12/09/2022	GAP
d8-1,4-Dioxane	EPA-8270M	78.0	11/28/2022	OSE

U - Analyte analyzed for but not detected at level above reporting limit.
 SUR12 -Surrogate recoveries were outside of the control limits due to matrix interference.
 HT01 -Sample was analyzed outside of the holding time due to laboratory error. Sample results should be considered estimated.
 Chromatogram indicates that it is likely that sample contains an unidentified gasoline range product, an unidentified diesel range product and lube oil.
 Diesel range product results biased high due to oil range product overlap.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/21/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110154
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110154-05
CLIENT SAMPLE ID	DUP-GW-221122	DATE RECEIVED:	11/23/2022
		COLLECTION DATE:	11/22/2022 2:00:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	50	1	UG/L	11/28/2022	KLS
TPH-Diesel Range (C12-C24)	NWTPH-DX	280	130	1	UG/L	11/30/2022	DHM
TPH-Oil Range (C24-C40)	NWTPH-DX	390	250	1	UG/L	11/30/2022	DHM
Vinyl Chloride	EPA-8260	19	0.020	1	UG/L	11/30/2022	DLC
Chloroethane	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
Carbon Tetrachloride	EPA-8260	U	0.50	1	UG/L	11/30/2022	DLC
Carbon Disulfide	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
Acetone	EPA-8260	U	25	1	UG/L	11/30/2022	DLC
1,1-Dichloroethene	EPA-8260	19	2.0	1	UG/L	11/30/2022	DLC
Methylene Chloride	EPA-8260	U	5.0	1	UG/L	11/30/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	12	2.0	1	UG/L	11/30/2022	DLC
1,1-Dichloroethane	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
2-Butanone	EPA-8260	U	10	1	UG/L	11/30/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	290	20	10	UG/L	12/01/2022	DLC
Chloroform	EPA-8260	U	0.50	1	UG/L	11/30/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
1,2-Dichloroethane	EPA-8260	28	0.020	1	UG/L	11/30/2022	DLC
Benzene	EPA-8260	2.1	0.50	1	UG/L	11/30/2022	DLC
Trichloroethene	EPA-8260	1700	50	100	UG/L	12/02/2022	DLC
1,2-Dichloropropane	EPA-8260	U	0.50	1	UG/L	11/30/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	10	1	UG/L	11/30/2022	DLC
Toluene	EPA-8260	2.8	2.0	1	UG/L	11/30/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	0.50	1	UG/L	11/30/2022	DLC
2-Hexanone	EPA-8260	U	10	1	UG/L	11/30/2022	DLC
Tetrachloroethylene	EPA-8260	7.0	2.0	1	UG/L	11/30/2022	DLC
1,2-Dibromoethane	EPA-8260	U	0.010	1	UG/L	11/30/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	0.50	1	UG/L	11/30/2022	DLC
Ethylbenzene	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
Isopropylbenzene	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	0.50	1	UG/L	11/30/2022	DLC
N-Propyl Benzene	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
S-Butyl Benzene	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
P-Isopropyltoluene	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
Naphthalene	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
Xylenes	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
Benzo[A]Anthracene	EPA-8270 SIM	U, HT01	0.020	1	UG/L	12/09/2022	GAP



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/21/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110154
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110154-05
CLIENT SAMPLE ID	DUP-GW-221122	DATE RECEIVED:	11/23/2022
		COLLECTION DATE:	11/22/2022 2:00:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Chrysene	EPA-8270 SIM	U, HT01	0.020	1	UG/L	12/09/2022	GAP
Benzo[B]Fluoranthene	EPA-8270 SIM	0.025 HT01	0.020	1	UG/L	12/09/2022	GAP
Benzo[K]Fluoranthene	EPA-8270 SIM	U, HT01	0.020	1	UG/L	12/09/2022	GAP
Benzo[A]Pyrene	EPA-8270 SIM	U, HT01	0.020	1	UG/L	12/09/2022	GAP
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U, HT01	0.020	1	UG/L	12/09/2022	GAP
Dibenz[A,H]Anthracene	EPA-8270 SIM	U, HT01	0.020	1	UG/L	12/09/2022	GAP
Mercury	EPA-245.1	0.65	0.20	1	UG/L	12/01/2022	RAL
Mercury (Dissolved)	EPA-245.1	U	0.20	1	UG/L	12/01/2022	RAL
Arsenic	EPA-200.8	73	1.0	1	UG/L	12/02/2022	EBS
Cadmium	EPA-200.8	1.8	1.0	1	UG/L	12/02/2022	EBS
Chromium	EPA-200.8	450	2.0	1	UG/L	12/02/2022	EBS
Lead	EPA-200.8	64	1.0	1	UG/L	12/02/2022	EBS
Arsenic (Dissolved)	EPA-200.8	4.4	1.0	1	UG/L	12/02/2022	EBS
Cadmium (Dissolved)	EPA-200.8	U	1.0	1	UG/L	12/02/2022	EBS
Chromium (Dissolved)	EPA-200.8	U	2.0	1	UG/L	12/02/2022	EBS
Lead (Dissolved)	EPA-200.8	U	1.0	1	UG/L	12/02/2022	EBS
1,4-Dioxane	EPA-8270M	1.6	0.40	1	UG/L	11/28/2022	OSE

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	170 SUR12	11/28/2022	KLS
C25	NWTPH-DX	81.6	11/30/2022	DHM
1,2-Dichloroethane-d4	EPA-8260	98.2	11/30/2022	DLC
1,2-Dichloroethane-d4 10X Dilution	EPA-8260	97.3	12/01/2022	DLC
1,2-Dichloroethane-d4 100X Dilution	EPA-8260	100	12/02/2022	DLC
Toluene-d8	EPA-8260	99.5	11/30/2022	DLC
Toluene-d8 10X Dilution	EPA-8260	98.9	12/01/2022	DLC
Toluene-d8 100X Dilution	EPA-8260	99.4	12/02/2022	DLC
4-Bromofluorobenzene	EPA-8260	102	11/30/2022	DLC
4-Bromofluorobenzene 10X Dilution	EPA-8260	97.0	12/01/2022	DLC
4-Bromofluorobenzene 100X Dilution	EPA-8260	98.7	12/02/2022	DLC
Terphenyl-d14	EPA-8270 SIM	52.2 HT01	12/09/2022	GAP
d8-1,4-Dioxane	EPA-8270M	78.0	11/28/2022	OSE

U - Analyte analyzed for but not detected at level above reporting limit.
 SUR12 -Surrogate recoveries were outside of the control limits due to matrix interference.
 HT01 -Sample was analyzed outside of the holding time due to laboratory error. Sample results should be considered estimated.
 Chromatogram indicates that it is likely that sample contains an unidentified diesel range product and lube oil.
 Diesel range product results biased high due to oil range product overlap.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/21/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110154
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110154-06
CLIENT SAMPLE ID	RISB-76-(29-30')	DATE RECEIVED:	11/23/2022
		COLLECTION DATE:	11/22/2022 4:45:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
Vinyl Chloride	EPA-8260	U	0.050	1	UG/KG	12/01/2022	DLC
Chloroethane	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
Carbon Tetrachloride	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
Carbon Disulfide	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
Acetone	EPA-8260	U	50	1	UG/KG	12/01/2022	DLC
1,1-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
Methylene Chloride	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
1,1-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
2-Butanone	EPA-8260	U	50	1	UG/KG	12/01/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
Chloroform	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
1,2-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
Benzene	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
Trichloroethene	EPA-8260	3.2	1.5	1	UG/KG	12/01/2022	DLC
1,2-Dichloropropane	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	50	1	UG/KG	12/01/2022	DLC
Toluene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
2-Hexanone	EPA-8260	U	50	1	UG/KG	12/01/2022	DLC
Tetrachloroethylene	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	12/01/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
Ethylbenzene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
Isopropylbenzene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
N-Propyl Benzene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
S-Butyl Benzene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
P-Isopropyltoluene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
Naphthalene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
Xylenes	EPA-8260	U	20	1	UG/KG	12/01/2022	DLC

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
1,2-Dichloroethane-d4	EPA-8260	93.9	12/01/2022	DLC

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/21/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110154
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110154-06
CLIENT SAMPLE ID	RISB-76-(29-30')	DATE RECEIVED:	11/23/2022
		COLLECTION DATE:	11/22/2022 4:45:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
Toluene-d8	EPA-8260	106	12/01/2022	DLC
4-Bromofluorobenzene	EPA-8260	88.5	12/01/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/21/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110154
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110154-07
CLIENT SAMPLE ID	RISB-77-(9-10')	DATE RECEIVED:	11/23/2022
		COLLECTION DATE:	11/23/2022 10:30:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
Vinyl Chloride	EPA-8260	0.11	0.050	1	UG/KG	12/01/2022	DLC
Chloroethane	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
Carbon Tetrachloride	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
Carbon Disulfide	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
Acetone	EPA-8260	U	50	1	UG/KG	12/01/2022	DLC
1,1-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
Methylene Chloride	EPA-8260	U	1.7	1	UG/KG	12/01/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
1,1-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
2-Butanone	EPA-8260	U	50	1	UG/KG	12/01/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
Chloroform	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
1,2-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
Benzene	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
Trichloroethene	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
1,2-Dichloropropane	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	50	1	UG/KG	12/01/2022	DLC
Toluene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
2-Hexanone	EPA-8260	U	50	1	UG/KG	12/01/2022	DLC
Tetrachloroethylene	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	12/01/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
Ethylbenzene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
Isopropylbenzene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
N-Propyl Benzene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
S-Butyl Benzene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
P-Isopropyltoluene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
Naphthalene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
Xylenes	EPA-8260	U	20	1	UG/KG	12/01/2022	DLC

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
1,2-Dichloroethane-d4	EPA-8260	90.3	12/01/2022	DLC

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/21/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110154
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110154-07
CLIENT SAMPLE ID	RISB-77-(9-10')	DATE RECEIVED:	11/23/2022
		COLLECTION DATE:	11/23/2022 10:30:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
Toluene-d8	EPA-8260	109	12/01/2022	DLC
4-Bromofluorobenzene	EPA-8260	78.1	12/01/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/21/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110154
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110154-08
CLIENT SAMPLE ID	RISB-77-(19-20')	DATE RECEIVED:	11/23/2022
		COLLECTION DATE:	11/23/2022 10:50:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
Vinyl Chloride	EPA-8260	0.23	0.050	1	UG/KG	12/01/2022	DLC
Chloroethane	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
Carbon Tetrachloride	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
Carbon Disulfide	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
Acetone	EPA-8260	U	50	1	UG/KG	12/01/2022	DLC
1,1-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
Methylene Chloride	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
1,1-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
2-Butanone	EPA-8260	U	50	1	UG/KG	12/01/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	12	1.5	1	UG/KG	12/01/2022	DLC
Chloroform	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
1,2-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
Benzene	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
Trichloroethene	EPA-8260	13	1.5	1	UG/KG	12/01/2022	DLC
1,2-Dichloropropane	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	50	1	UG/KG	12/01/2022	DLC
Toluene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
2-Hexanone	EPA-8260	U	50	1	UG/KG	12/01/2022	DLC
Tetrachloroethylene	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	12/01/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
Ethylbenzene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
Isopropylbenzene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
N-Propyl Benzene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
S-Butyl Benzene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
P-Isopropyltoluene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
Naphthalene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
Xylenes	EPA-8260	U	20	1	UG/KG	12/01/2022	DLC

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
1,2-Dichloroethane-d4	EPA-8260	92.2	12/01/2022	DLC

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/21/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110154
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110154-08
CLIENT SAMPLE ID	RISB-77-(19-20')	DATE RECEIVED:	11/23/2022
		COLLECTION DATE:	11/23/2022 10:50:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
Toluene-d8	EPA-8260	105	12/01/2022	DLC
4-Bromofluorobenzene	EPA-8260	81.7	12/01/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/21/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110154
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110154-09
CLIENT SAMPLE ID	RISB-77-GW-221123	DATE RECEIVED:	11/23/2022
		COLLECTION DATE:	11/23/2022 10:50:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Vinyl Chloride	EPA-8260	10	0.020	1	UG/L	11/30/2022	DLC
Chloroethane	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
Carbon Tetrachloride	EPA-8260	U	0.50	1	UG/L	11/30/2022	DLC
Carbon Disulfide	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
Acetone	EPA-8260	U	25	1	UG/L	11/30/2022	DLC
1,1-Dichloroethene	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
Methylene Chloride	EPA-8260	U	5.0	1	UG/L	11/30/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
1,1-Dichloroethane	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
2-Butanone	EPA-8260	U	10	1	UG/L	11/30/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	72	20	10	UG/L	12/01/2022	DLC
Chloroform	EPA-8260	U	0.50	1	UG/L	11/30/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
1,2-Dichloroethane	EPA-8260	0.076	0.020	1	UG/L	11/30/2022	DLC
Benzene	EPA-8260	U	0.50	1	UG/L	11/30/2022	DLC
Trichloroethene	EPA-8260	20	0.50	1	UG/L	11/30/2022	DLC
1,2-Dichloropropane	EPA-8260	U	0.50	1	UG/L	11/30/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	10	1	UG/L	11/30/2022	DLC
Toluene	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	0.50	1	UG/L	11/30/2022	DLC
2-Hexanone	EPA-8260	U	10	1	UG/L	11/30/2022	DLC
Tetrachloroethylene	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
1,2-Dibromoethane	EPA-8260	U	0.010	1	UG/L	11/30/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	0.50	1	UG/L	11/30/2022	DLC
Ethylbenzene	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
Isopropylbenzene	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	0.50	1	UG/L	11/30/2022	DLC
N-Propyl Benzene	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
S-Butyl Benzene	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
P-Isopropyltoluene	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
Naphthalene	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
Xylenes	EPA-8260	U	2.0	1	UG/L	11/30/2022	DLC
1,4-Dioxane	EPA-8270M	0.71	0.40	1	UG/L	11/28/2022	OSE

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
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CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/21/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110154
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110154-09
CLIENT SAMPLE ID	RISB-77-GW-221123	DATE RECEIVED:	11/23/2022
		COLLECTION DATE:	11/23/2022 10:50:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

SURROGATE	METHOD	%REC	ANALYSIS ANALYSIS	
			DATE	BY
1,2-Dichloroethane-d4	EPA-8260	102	11/30/2022	DLC
1,2-Dichloroethane-d4 10X Dilution	EPA-8260	101	12/01/2022	DLC
Toluene-d8	EPA-8260	98.0	11/30/2022	DLC
Toluene-d8 10X Dilution	EPA-8260	100	12/01/2022	DLC
4-Bromofluorobenzene	EPA-8260	102	11/30/2022	DLC
4-Bromofluorobenzene 10X Dilution	EPA-8260	100	12/01/2022	DLC
d8-1,4-Dioxane	EPA-8270M	74.0	11/28/2022	OSE

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/21/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110154
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110154-10
CLIENT SAMPLE ID	RISB-77-(29-30')	DATE RECEIVED:	11/23/2022
		COLLECTION DATE:	11/23/2022 12:40:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
Vinyl Chloride	EPA-8260	U	0.050	1	UG/KG	12/01/2022	DLC
Chloroethane	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
Carbon Tetrachloride	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
Carbon Disulfide	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
Acetone	EPA-8260	U	50	1	UG/KG	12/01/2022	DLC
1,1-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
Methylene Chloride	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
1,1-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
2-Butanone	EPA-8260	U	50	1	UG/KG	12/01/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
Chloroform	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
1,2-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
Benzene	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
Trichloroethene	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
1,2-Dichloropropane	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	50	1	UG/KG	12/01/2022	DLC
Toluene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
2-Hexanone	EPA-8260	U	50	1	UG/KG	12/01/2022	DLC
Tetrachloroethylene	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	12/01/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
Ethylbenzene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
Isopropylbenzene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
N-Propyl Benzene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
S-Butyl Benzene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
P-Isopropyltoluene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
Naphthalene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
Xylenes	EPA-8260	U	20	1	UG/KG	12/01/2022	DLC

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
1,2-Dichloroethane-d4	EPA-8260	91.7	12/01/2022	DLC

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/21/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110154
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110154-10
CLIENT SAMPLE ID	RISB-77-(29-30')	DATE RECEIVED:	11/23/2022
		COLLECTION DATE:	11/23/2022 12:40:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
Toluene-d8	EPA-8260	105	12/01/2022	DLC
4-Bromofluorobenzene	EPA-8260	82.0	12/01/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/21/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110154
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY BLANK RESULTS

MBG-112822W - Batch 186715 - Water by NWTPH-GX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range (C5-C12)	NWTPH-GX	U	UG/L	50	11/28/2022	KLS

U - Analyte analyzed for but not detected at level above reporting limit.

MB-113022W - Batch 187025 - Water by NWTPH-DX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range (C12-C24)	NWTPH-DX	U	UG/L	130	11/30/2022	DHM
TPH-Oil Range (C24-C40)	NWTPH-DX	U	UG/L	250	11/30/2022	DHM

U - Analyte analyzed for but not detected at level above reporting limit.

MB-120122S - Batch 186886 - Soil by EPA-8260

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Vinyl Chloride	EPA-8260	U	UG/KG	0.050	12/01/2022	DLC
Chloroethane	EPA-8260	U	UG/KG	10	12/01/2022	DLC
Carbon Tetrachloride	EPA-8260	U	UG/KG	1.5	12/01/2022	DLC
Carbon Disulfide	EPA-8260	U	UG/KG	10	12/01/2022	DLC
Acetone	EPA-8260	U	UG/KG	50	12/01/2022	DLC
1,1-Dichloroethene	EPA-8260	U	UG/KG	1.5	12/01/2022	DLC
Methylene Chloride	EPA-8260	U	UG/KG	2.3	12/01/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	UG/KG	1.5	12/01/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	UG/KG	10	12/01/2022	DLC
1,1-Dichloroethane	EPA-8260	U	UG/KG	1.5	12/01/2022	DLC
2-Butanone	EPA-8260	U	UG/KG	50	12/01/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	UG/KG	1.5	12/01/2022	DLC
Chloroform	EPA-8260	U	UG/KG	1.5	12/01/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	UG/KG	10	12/01/2022	DLC
1,2-Dichloroethane	EPA-8260	U	UG/KG	1.5	12/01/2022	DLC
Benzene	EPA-8260	U	UG/KG	1.5	12/01/2022	DLC
Trichloroethene	EPA-8260	U	UG/KG	1.5	12/01/2022	DLC
1,2-Dichloropropane	EPA-8260	U	UG/KG	1.5	12/01/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	UG/KG	50	12/01/2022	DLC
Toluene	EPA-8260	U	UG/KG	10	12/01/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	UG/KG	1.5	12/01/2022	DLC
2-Hexanone	EPA-8260	U	UG/KG	50	12/01/2022	DLC
Tetrachloroethylene	EPA-8260	U	UG/KG	1.5	12/01/2022	DLC
1,2-Dibromoethane	EPA-8260	U	UG/KG	5.0	12/01/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	UG/KG	10	12/01/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/21/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110154
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY BLANK RESULTS

MB-120122S - Batch 186886 - Soil by EPA-8260

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Ethylbenzene	EPA-8260	U	UG/KG	10	12/01/2022	DLC
Isopropylbenzene	EPA-8260	U	UG/KG	10	12/01/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	UG/KG	1.5	12/01/2022	DLC
N-Propyl Benzene	EPA-8260	U	UG/KG	10	12/01/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	UG/KG	10	12/01/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	UG/KG	10	12/01/2022	DLC
S-Butyl Benzene	EPA-8260	U	UG/KG	10	12/01/2022	DLC
P-Isopropyltoluene	EPA-8260	U	UG/KG	10	12/01/2022	DLC
Naphthalene	EPA-8260	U	UG/KG	10	12/01/2022	DLC
Xylenes	EPA-8260	U	UG/KG	20	12/01/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.

MB-113022W - Batch 187011 - Water by EPA-8260

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Vinyl Chloride	EPA-8260	U	UG/L	0.020	11/30/2022	DLC
Chloroethane	EPA-8260	U	UG/L	2.0	11/30/2022	DLC
Carbon Tetrachloride	EPA-8260	U	UG/L	0.50	11/30/2022	DLC
Carbon Disulfide	EPA-8260	U	UG/L	2.0	11/30/2022	DLC
Acetone	EPA-8260	U	UG/L	25	11/30/2022	DLC
1,1-Dichloroethene	EPA-8260	U	UG/L	2.0	11/30/2022	DLC
Methylene Chloride	EPA-8260	U	UG/L	5.0	11/30/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	UG/L	2.0	11/30/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	UG/L	2.0	11/30/2022	DLC
1,1-Dichloroethane	EPA-8260	U	UG/L	2.0	11/30/2022	DLC
2-Butanone	EPA-8260	U	UG/L	10	11/30/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	UG/L	2.0	11/30/2022	DLC
Chloroform	EPA-8260	U	UG/L	0.50	11/30/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	UG/L	2.0	11/30/2022	DLC
1,2-Dichloroethane	EPA-8260	U	UG/L	0.020	11/30/2022	DLC
Benzene	EPA-8260	U	UG/L	0.50	11/30/2022	DLC
Trichloroethene	EPA-8260	U	UG/L	0.50	11/30/2022	DLC
1,2-Dichloropropane	EPA-8260	U	UG/L	0.50	11/30/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	UG/L	10	11/30/2022	DLC
Toluene	EPA-8260	U	UG/L	2.0	11/30/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	UG/L	0.50	11/30/2022	DLC
2-Hexanone	EPA-8260	U	UG/L	10	11/30/2022	DLC
Tetrachloroethylene	EPA-8260	U	UG/L	2.0	11/30/2022	DLC
1,2-Dibromoethane	EPA-8260	U	UG/L	0.010	11/30/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	UG/L	0.50	11/30/2022	DLC
Ethylbenzene	EPA-8260	U	UG/L	2.0	11/30/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/21/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110154
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY BLANK RESULTS

MB-113022W - Batch 187011 - Water by EPA-8260

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Isopropylbenzene	EPA-8260	U	UG/L	2.0	11/30/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	UG/L	0.50	11/30/2022	DLC
N-Propyl Benzene	EPA-8260	U	UG/L	2.0	11/30/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	UG/L	2.0	11/30/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	UG/L	2.0	11/30/2022	DLC
S-Butyl Benzene	EPA-8260	U	UG/L	2.0	11/30/2022	DLC
P-Isopropyltoluene	EPA-8260	U	UG/L	2.0	11/30/2022	DLC
Naphthalene	EPA-8260	U	UG/L	2.0	11/30/2022	DLC
Xylenes	EPA-8260	U	UG/L	2.0	11/30/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.

MB-120822W - Batch 187229 - Water by EPA-8270 SIM

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Benzo[A]Anthracene	EPA-8270 SIM	U	UG/L	0.020	12/09/2022	GAP
Chrysene	EPA-8270 SIM	U	UG/L	0.020	12/09/2022	GAP
Benzo[B]Fluoranthene	EPA-8270 SIM	U	UG/L	0.020	12/09/2022	GAP
Benzo[K]Fluoranthene	EPA-8270 SIM	U	UG/L	0.020	12/09/2022	GAP
Benzo[A]Pyrene	EPA-8270 SIM	U	UG/L	0.020	12/09/2022	GAP
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	UG/L	0.020	12/09/2022	GAP
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	UG/L	0.020	12/09/2022	GAP

U - Analyte analyzed for but not detected at level above reporting limit.

MBLK-R423082 - Batch R423082 - Water by EPA-245.1

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Mercury	EPA-245.1	U	UG/L	0.20	12/01/2022	RAL

U - Analyte analyzed for but not detected at level above reporting limit.

MBLK-R423493 - Batch R423493 - Water by EPA-245.1

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Mercury (Dissolved)	EPA-245.1	U	UG/L	0.20	12/01/2022	RAL

U - Analyte analyzed for but not detected at level above reporting limit.

MB-113022W - Batch 186791 - Water by EPA-200.8

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Arsenic	EPA-200.8	U	UG/L	1.0	12/02/2022	EBS
Cadmium	EPA-200.8	U	UG/L	1.0	12/02/2022	EBS



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/21/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110154
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY BLANK RESULTS

MB-113022W - Batch 186791 - Water by EPA-200.8

Chromium	EPA-200.8	U	UG/L	2.0	12/02/2022	EBS
Lead	EPA-200.8	U	UG/L	1.0	12/02/2022	EBS

U - Analyte analyzed for but not detected at level above reporting limit.

MB-113022W - Batch 186792 - Water by EPA-200.8

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Arsenic (Dissolved)	EPA-200.8	U	UG/L	1.0	12/02/2022	EBS
Cadmium (Dissolved)	EPA-200.8	U	UG/L	1.0	12/02/2022	EBS
Chromium (Dissolved)	EPA-200.8	U	UG/L	2.0	12/02/2022	EBS
Lead (Dissolved)	EPA-200.8	U	UG/L	1.0	12/02/2022	EBS

U - Analyte analyzed for but not detected at level above reporting limit.

MBLK-R423176 - Batch R423176 - Water by EPA-8270M

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
1,4-Dioxane	EPA-8270M	U	UG/L	0.40	11/28/2022	OSE

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/21/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110154
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 186715 - Water by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Volatile Range (C5-C12) - BS	NWTPH-GX	73.0			66.5	122.7	11/28/2022	KLS
TPH-Volatile Range (C5-C12) - BSD	NWTPH-GX	82.2	12		66.5	122.7	11/28/2022	KLS

ALS Test Batch ID: 187025 - Water by NWTPH-DX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Diesel Range (C12-C24) - BS	NWTPH-DX	89.2			67	125.2	11/30/2022	DHM
TPH-Diesel Range (C12-C24) - BSD	NWTPH-DX	87.6	2		67	125.2	11/30/2022	DHM

ALS Test Batch ID: 186886 - Soil by EPA-8260

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Vinyl Chloride - BS	EPA-8260	116			50	150	12/01/2022	DLC
Vinyl Chloride - BSD	EPA-8260	102	13		50	150	12/02/2022	DLC
Chloroethane - BS	EPA-8260	113			50	150	12/01/2022	DLC
Chloroethane - BSD	EPA-8260	103	10		50	150	12/02/2022	DLC
Carbon Tetrachloride - BS	EPA-8260	94.0			50	150	12/01/2022	DLC
Carbon Tetrachloride - BSD	EPA-8260	90.6	4		50	150	12/02/2022	DLC
Carbon Disulfide - BS	EPA-8260	109			50	150	12/01/2022	DLC
Carbon Disulfide - BSD	EPA-8260	97.9	10		50	150	12/02/2022	DLC
Acetone - BS	EPA-8260	84.6			50	150	12/01/2022	DLC
Acetone - BSD	EPA-8260	77.8	8		50	150	12/02/2022	DLC
1,1-Dichloroethene - BS	EPA-8260	106			70	130	12/01/2022	DLC
1,1-Dichloroethene - BSD	EPA-8260	96.5	10		70	130	12/02/2022	DLC
Methylene Chloride - BS	EPA-8260	114			50	150	12/01/2022	DLC
Methylene Chloride - BSD	EPA-8260	107	6		50	150	12/02/2022	DLC
Methyl T-Butyl Ether - BS	EPA-8260	113			50	150	12/01/2022	DLC
Methyl T-Butyl Ether - BSD	EPA-8260	109	4		50	150	12/02/2022	DLC
Trans-1,2-Dichloroethene - BS	EPA-8260	101			50	150	12/01/2022	DLC
Trans-1,2-Dichloroethene - BSD	EPA-8260	92.1	9		50	150	12/02/2022	DLC
1,1-Dichloroethane - BS	EPA-8260	111			50	150	12/01/2022	DLC
1,1-Dichloroethane - BSD	EPA-8260	99.7	11		50	150	12/02/2022	DLC
2-Butanone - BS	EPA-8260	66.6			50	150	12/01/2022	DLC
2-Butanone - BSD	EPA-8260	62.9	6		50	150	12/02/2022	DLC
Cis-1,2-Dichloroethene - BS	EPA-8260	110			50	150	12/01/2022	DLC
Cis-1,2-Dichloroethene - BSD	EPA-8260	103	7		50	150	12/02/2022	DLC
Chloroform - BS	EPA-8260	107			50	150	12/01/2022	DLC
Chloroform - BSD	EPA-8260	101	6		50	150	12/02/2022	DLC
1,1,1-Trichloroethane - BS	EPA-8260	107			50	150	12/01/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/21/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110154
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
1,1,1-Trichloroethane - BSD	EPA-8260	102	5		50	150	12/02/2022	DLC
1,2-Dichloroethane - BS	EPA-8260	99.9			50	150	12/01/2022	DLC
1,2-Dichloroethane - BSD	EPA-8260	98.0	2		50	150	12/02/2022	DLC
Benzene - BS	EPA-8260	98.7			75	138	12/01/2022	DLC
Benzene - BSD	EPA-8260	96.8	2		75	138	12/02/2022	DLC
Trichloroethene - BS	EPA-8260	98.5			75	136	12/01/2022	DLC
Trichloroethene - BSD	EPA-8260	96.0	2		75	136	12/02/2022	DLC
1,2-Dichloropropane - BS	EPA-8260	105			50	150	12/01/2022	DLC
1,2-Dichloropropane - BSD	EPA-8260	104	2		50	150	12/02/2022	DLC
4-Methyl-2-Pentanone - BS	EPA-8260	86.9			50	150	12/01/2022	DLC
4-Methyl-2-Pentanone - BSD	EPA-8260	88.3	2		50	150	12/02/2022	DLC
Toluene - BS	EPA-8260	93.1			71.6	122.1	12/01/2022	DLC
Toluene - BSD	EPA-8260	92.6	1		71.6	122.1	12/02/2022	DLC
1,1,2-Trichloroethane - BS	EPA-8260	106			50	150	12/01/2022	DLC
1,1,2-Trichloroethane - BSD	EPA-8260	107	0		50	150	12/02/2022	DLC
2-Hexanone - BS	EPA-8260	92.1			50	150	12/01/2022	DLC
2-Hexanone - BSD	EPA-8260	91.3	1		50	150	12/02/2022	DLC
Tetrachloroethylene - BS	EPA-8260	101			50	150	12/01/2022	DLC
Tetrachloroethylene - BSD	EPA-8260	105	4		50	150	12/02/2022	DLC
1,2-Dibromoethane - BS	EPA-8260	113			50	150	12/01/2022	DLC
1,2-Dibromoethane - BSD	EPA-8260	110	3		50	150	12/02/2022	DLC
1,1,1,2-Tetrachloroethane - BS	EPA-8260	118			50	150	12/01/2022	DLC
1,1,1,2-Tetrachloroethane - BSD	EPA-8260	113	4		50	150	12/02/2022	DLC
Ethylbenzene - BS	EPA-8260	104			50	150	12/01/2022	DLC
Ethylbenzene - BSD	EPA-8260	99.8	5		50	150	12/02/2022	DLC
Isopropylbenzene - BS	EPA-8260	96.3			50	150	12/01/2022	DLC
Isopropylbenzene - BSD	EPA-8260	93.6	3		50	150	12/02/2022	DLC
1,1,2,2-Tetrachloroethane - BS	EPA-8260	85.4			50	150	12/01/2022	DLC
1,1,2,2-Tetrachloroethane - BSD	EPA-8260	85.8	0		50	150	12/02/2022	DLC
N-Propyl Benzene - BS	EPA-8260	87.4			50	150	12/01/2022	DLC
N-Propyl Benzene - BSD	EPA-8260	85.5	2		50	150	12/02/2022	DLC
1,3,5-Trimethylbenzene - BS	EPA-8260	92.2			50	150	12/01/2022	DLC
1,3,5-Trimethylbenzene - BSD	EPA-8260	91.9	0		50	150	12/02/2022	DLC
1,2,4-Trimethylbenzene - BS	EPA-8260	86.8			50	150	12/01/2022	DLC
1,2,4-Trimethylbenzene - BSD	EPA-8260	85.1	2		50	150	12/02/2022	DLC
S-Butyl Benzene - BS	EPA-8260	87.4			50	150	12/01/2022	DLC
S-Butyl Benzene - BSD	EPA-8260	88.1	1		50	150	12/02/2022	DLC
P-Isopropyltoluene - BS	EPA-8260	87.7			50	150	12/01/2022	DLC
P-Isopropyltoluene - BSD	EPA-8260	87.6	0		50	150	12/02/2022	DLC
Naphthalene - BS	EPA-8260	89.4			50	150	12/01/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/21/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110154
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Naphthalene - BSD	EPA-8260	92.8	4		50	150	12/02/2022	DLC
Xylenes - BS	EPA-8260	108			50	150	12/01/2022	DLC
Xylenes - BSD	EPA-8260	106	2		50	150	12/02/2022	DLC

ALS Test Batch ID: 187011 - Water by EPA-8260

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Vinyl Chloride - BS	EPA-8260	121			50	150	11/30/2022	DLC
Vinyl Chloride - BSD	EPA-8260	113	8		50	150	11/30/2022	DLC
Chloroethane - BS	EPA-8260	109			50	150	11/30/2022	DLC
Chloroethane - BSD	EPA-8260	102	6		50	150	11/30/2022	DLC
Carbon Tetrachloride - BS	EPA-8260	111			50	150	11/30/2022	DLC
Carbon Tetrachloride - BSD	EPA-8260	105	5		50	150	11/30/2022	DLC
Carbon Disulfide - BS	EPA-8260	114			50	150	11/30/2022	DLC
Carbon Disulfide - BSD	EPA-8260	108	5		50	150	11/30/2022	DLC
Acetone - BS	EPA-8260	89.9			50	150	11/30/2022	DLC
Acetone - BSD	EPA-8260	88.8	1		50	150	11/30/2022	DLC
1,1-Dichloroethene - BS	EPA-8260	115			72.5	136	11/30/2022	DLC
1,1-Dichloroethene - BSD	EPA-8260	109	5		72.5	136	11/30/2022	DLC
Methylene Chloride - BS	EPA-8260	97.2			50	150	11/30/2022	DLC
Methylene Chloride - BSD	EPA-8260	94.3	3		50	150	11/30/2022	DLC
Methyl T-Butyl Ether - BS	EPA-8260	103			50	150	11/30/2022	DLC
Methyl T-Butyl Ether - BSD	EPA-8260	100	3		50	150	11/30/2022	DLC
Trans-1,2-Dichloroethene - BS	EPA-8260	106			50	150	11/30/2022	DLC
Trans-1,2-Dichloroethene - BSD	EPA-8260	101	5		50	150	11/30/2022	DLC
1,1-Dichloroethane - BS	EPA-8260	105			50	150	11/30/2022	DLC
1,1-Dichloroethane - BSD	EPA-8260	100	5		50	150	11/30/2022	DLC
2-Butanone - BS	EPA-8260	107			50	150	11/30/2022	DLC
2-Butanone - BSD	EPA-8260	103	4		50	150	11/30/2022	DLC
Cis-1,2-Dichloroethene - BS	EPA-8260	104			50	150	11/30/2022	DLC
Cis-1,2-Dichloroethene - BSD	EPA-8260	100	4		50	150	11/30/2022	DLC
Chloroform - BS	EPA-8260	113			50	150	11/30/2022	DLC
Chloroform - BSD	EPA-8260	109	4		50	150	11/30/2022	DLC
1,1,1-Trichloroethane - BS	EPA-8260	109			50	150	11/30/2022	DLC
1,1,1-Trichloroethane - BSD	EPA-8260	103	5		50	150	11/30/2022	DLC
1,2-Dichloroethane - BS	EPA-8260	106			50	150	11/30/2022	DLC
1,2-Dichloroethane - BSD	EPA-8260	103	3		50	150	11/30/2022	DLC
Benzene - BS	EPA-8260	107			74.7	143	11/30/2022	DLC
Benzene - BSD	EPA-8260	102	5		74.7	143	11/30/2022	DLC
Trichloroethene - BS	EPA-8260	109			74.4	141	11/30/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/21/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110154
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Trichloroethene - BSD	EPA-8260	104	5		74.4	141	11/30/2022	DLC
1,2-Dichloropropane - BS	EPA-8260	105			50	150	11/30/2022	DLC
1,2-Dichloropropane - BSD	EPA-8260	101	4		50	150	11/30/2022	DLC
4-Methyl-2-Pentanone - BS	EPA-8260	107			50	150	11/30/2022	DLC
4-Methyl-2-Pentanone - BSD	EPA-8260	102	4		50	150	11/30/2022	DLC
Toluene - BS	EPA-8260	104			71.7	139	11/30/2022	DLC
Toluene - BSD	EPA-8260	98.9	5		71.7	139	11/30/2022	DLC
1,1,2-Trichloroethane - BS	EPA-8260	104			50	150	11/30/2022	DLC
1,1,2-Trichloroethane - BSD	EPA-8260	101	2		50	150	11/30/2022	DLC
2-Hexanone - BS	EPA-8260	105			50	150	11/30/2022	DLC
2-Hexanone - BSD	EPA-8260	103	2		50	150	11/30/2022	DLC
Tetrachloroethylene - BS	EPA-8260	104			50	150	11/30/2022	DLC
Tetrachloroethylene - BSD	EPA-8260	96.8	7		50	150	11/30/2022	DLC
1,2-Dibromoethane - BS	EPA-8260	106			50	150	11/30/2022	DLC
1,2-Dibromoethane - BSD	EPA-8260	105	2		50	150	11/30/2022	DLC
1,1,1,2-Tetrachloroethane - BS	EPA-8260	101			50	150	11/30/2022	DLC
1,1,1,2-Tetrachloroethane - BSD	EPA-8260	99.1	2		50	150	11/30/2022	DLC
Ethylbenzene - BS	EPA-8260	103			50	150	11/30/2022	DLC
Ethylbenzene - BSD	EPA-8260	99.7	3		50	150	11/30/2022	DLC
Isopropylbenzene - BS	EPA-8260	104			50	150	11/30/2022	DLC
Isopropylbenzene - BSD	EPA-8260	100	4		50	150	11/30/2022	DLC
1,1,2,2-Tetrachloroethane - BS	EPA-8260	96.1			50	150	11/30/2022	DLC
1,1,2,2-Tetrachloroethane - BSD	EPA-8260	97.0	1		50	150	11/30/2022	DLC
N-Propyl Benzene - BS	EPA-8260	98.5			50	150	11/30/2022	DLC
N-Propyl Benzene - BSD	EPA-8260	98.5	0		50	150	11/30/2022	DLC
1,3,5-Trimethylbenzene - BS	EPA-8260	108			50	150	11/30/2022	DLC
1,3,5-Trimethylbenzene - BSD	EPA-8260	108	0		50	150	11/30/2022	DLC
1,2,4-Trimethylbenzene - BS	EPA-8260	111			50	150	11/30/2022	DLC
1,2,4-Trimethylbenzene - BSD	EPA-8260	111	1		50	150	11/30/2022	DLC
S-Butyl Benzene - BS	EPA-8260	99.7			50	150	11/30/2022	DLC
S-Butyl Benzene - BSD	EPA-8260	99.5	0		50	150	11/30/2022	DLC
P-Isopropyltoluene - BS	EPA-8260	106			50	150	11/30/2022	DLC
P-Isopropyltoluene - BSD	EPA-8260	105	0		50	150	11/30/2022	DLC
Naphthalene - BS	EPA-8260	102			50	150	11/30/2022	DLC
Naphthalene - BSD	EPA-8260	109	7		50	150	11/30/2022	DLC
Xylenes - BS	EPA-8260	102			50	150	11/30/2022	DLC
Xylenes - BSD	EPA-8260	98.8	3		50	150	11/30/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/21/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110154
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 187229 - Water by EPA-8270 SIM

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Benzo[A]Anthracene - BS	EPA-8270 SIM	101			20	150	12/09/2022	GAP
Benzo[A]Anthracene - BSD	EPA-8270 SIM	101	0		20	150	12/09/2022	GAP
Chrysene - BS	EPA-8270 SIM	97.1			20	150	12/09/2022	GAP
Chrysene - BSD	EPA-8270 SIM	97.2	0		20	150	12/09/2022	GAP
Benzo[B]Fluoranthene - BS	EPA-8270 SIM	103			20	150	12/09/2022	GAP
Benzo[B]Fluoranthene - BSD	EPA-8270 SIM	102	1		20	150	12/09/2022	GAP
Benzo[K]Fluoranthene - BS	EPA-8270 SIM	101			20	150	12/09/2022	GAP
Benzo[K]Fluoranthene - BSD	EPA-8270 SIM	99.4	2		20	150	12/09/2022	GAP
Benzo[A]Pyrene - BS	EPA-8270 SIM	108			20	150	12/09/2022	GAP
Benzo[A]Pyrene - BSD	EPA-8270 SIM	107	1		20	150	12/09/2022	GAP
Indeno[1,2,3-Cd]Pyrene - BS	EPA-8270 SIM	107			20	150	12/09/2022	GAP
Indeno[1,2,3-Cd]Pyrene - BSD	EPA-8270 SIM	109	1		20	150	12/09/2022	GAP
Dibenz[A,H]Anthracene - BS	EPA-8270 SIM	103			20	150	12/09/2022	GAP
Dibenz[A,H]Anthracene - BSD	EPA-8270 SIM	105	2		20	150	12/09/2022	GAP

ALS Test Batch ID: R423082 - Water by EPA-245.1

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Mercury - BS	EPA-245.1	104			80.6	118	12/01/2022	RAL
Mercury - BSD	EPA-245.1	103	1		80.6	118	12/01/2022	RAL

ALS Test Batch ID: R423493 - Water by EPA-245.1

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Mercury (Dissolved) - BS	EPA-245.1	104			80.6	118	12/01/2022	RAL
Mercury (Dissolved) - BSD	EPA-245.1	103	0		80.6	118	12/01/2022	RAL

ALS Test Batch ID: 186791 - Water by EPA-200.8

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Arsenic - BS	EPA-200.8	97.2			89.1	110	12/02/2022	EBS
Arsenic - BSD	EPA-200.8	97.6	0		89.1	110	12/02/2022	EBS
Cadmium - BS	EPA-200.8	98.0			89.4	110	12/02/2022	EBS
Cadmium - BSD	EPA-200.8	99.0	1		89.4	110	12/02/2022	EBS
Chromium - BS	EPA-200.8	96.1			88.3	110.2	12/02/2022	EBS
Chromium - BSD	EPA-200.8	96.3	0		88.3	110.2	12/02/2022	EBS
Lead - BS	EPA-200.8	96.8			87.5	107	12/02/2022	EBS
Lead - BSD	EPA-200.8	96.8	0		87.5	107	12/02/2022	EBS



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/21/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110154
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 186792 - Water by EPA-200.8

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Arsenic (Dissolved) - BS	EPA-200.8	97.2			89.1	110	12/02/2022	EBS
Arsenic (Dissolved) - BSD	EPA-200.8	97.6	0		89.1	110	12/02/2022	EBS
Cadmium (Dissolved) - BS	EPA-200.8	98.0			89.4	110	12/02/2022	EBS
Cadmium (Dissolved) - BSD	EPA-200.8	99.0	1		89.4	110	12/02/2022	EBS
Chromium (Dissolved) - BS	EPA-200.8	96.1			86.2	107	12/02/2022	EBS
Chromium (Dissolved) - BSD	EPA-200.8	96.3	0		86.2	107	12/02/2022	EBS
Lead (Dissolved) - BS	EPA-200.8	96.8			87.5	107	12/02/2022	EBS
Lead (Dissolved) - BSD	EPA-200.8	96.8	0		87.5	107	12/02/2022	EBS

ALS Test Batch ID: R423176 - Water by EPA-8270M

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
1,4-Dioxane - BS	EPA-8270M	60.6			20	120	11/28/2022	OSE
1,4-Dioxane - BSD	EPA-8270M	55.0	10		20	120	11/28/2022	OSE

APPROVED BY

Laboratory Director

EV22110154



Chain-of-Custody Record

North Seattle (206) 631-8660
 Tacoma (253) 926-2493
 Olympia (360) 791-3178

Spokane (509) 327-9737
 Portland (503) 542-1080

Date 11/22/22
 Page 1 of 1

Turnaround Time:
 Standard
 Accelerated

Project Name TECT #1 Project No. 222057.040 013
 Project Location/Event F. Arch WA / Phase III
 Sampler's Name Kalpana Arisud, Devan Brandt
 Project Contact Sherwin Renando
 Send Results To S. Renando, Terry Nivertimun, data@landau.com

Testing Parameters
 VOC (L&LO)
 SPARK
 METALS - D&LO
 METALS - G&X
 METALS - G&X
 LA-Dioxane (R20-50)

Special Handling Requirements:
 Shipment Method: Drop off
 Stored on ice: Yes No

Sample I.D.	Date	Time	Matrix	No. of Containers	Testing Parameters	Observations/Comments
<u>TRIP BLANKS</u>	<u>11/22/22</u>		<u>AQ</u>	<u>2 1</u>		<u>do not run RCRA 8</u>
<u>RISB-76-(9-10')</u>	<u>11/22/22</u>	<u>1430</u>	<u>Soil</u>	<u>5 2</u>		<u>S. Renando</u>
<u>RISB-76-(19-20')</u>	<u>11/22/22</u>	<u>1515</u>	<u>Soil</u>	<u>5 3</u>		
<u>RISB-76-GW-22/11/22</u>	<u>11/22/22</u>	<u>1500</u>	<u>AQ</u>	<u>10 4</u>	<u>X X X X X X X X</u>	<u>11.28.22</u>
<u>DUP-GW 22/11/22</u>	<u>11/22/22</u>	<u>1400</u>	<u>AQ</u>	<u>10 5</u>	<u>X X X X X X X X</u>	
<u>RISB-76-(29-30')</u>	<u>11/22/22</u>	<u>1645</u>	<u>Soil</u>	<u>5 6</u>	<u>X X X X X X X X</u>	<u>X Dissolved metal samples were field filtered</u>
<u>RISB-77-(9-10')</u>	<u>11/23/22</u>	<u>1030</u>	<u>Soil</u>	<u>5 7</u>	<u>X X X X X X X X</u>	
<u>RISB-77-(19-20')</u>	<u>11/23/22</u>	<u>1050</u>	<u>Soil</u>	<u>5 8</u>	<u>X X X X X X X X</u>	
<u>RISB-77-GW-22/11/22</u>	<u>11/23/22</u>	<u>1050</u>	<u>AQ</u>	<u>6 9</u>	<u>X X X X X X X X</u>	<u>X</u>
<u>RISB-77-(29-30')</u>	<u>11/23/22</u>	<u>1240</u>	<u>Soil</u>	<u>5 10</u>	<u>X X X X X X X X</u>	

Other
Total and Dissolved
arsenic, cadmium
chromium, lead, mercury

Relinquished by
 Signature [Signature]
 Printed Name Devan Brandt
 Company LAI
 Date 11/23/22 Time 1402

Received by
 Signature [Signature]
 Printed Name Glen Perry
 Company ALS
 Date 11/23/22 Time 14:02

Relinquished by
 Signature _____
 Printed Name _____
 Company _____
 Date _____ Time _____

Received by
 Signature _____
 Printed Name _____
 Company _____
 Date _____ Time _____

ALS ENVIRONMENTAL

Sample Receiving Checklist

Client: Landau

ALS Job #: EV22110154

Project: TECT RI

Received Date: 11-23-22 Received Time: 14:02 By: MW

Type of shipping container: Cooler Box Other

Shipped via: FedEx Ground UPS Mail Courier Hand Delivered
FedEx Express

	<u>Yes</u>	<u>No</u>	<u>N/A</u>
Were custody seals on outside of shipping container?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
If yes, how many? _____ Where? _____			
Custody seal date: _____ Seal name: _____			

Was Chain of Custody properly filled out (ink, signed, dated, etc.)?

Did all bottles have labels?

Did all bottle labels and tags agree with Chain of Custody?

Were samples received within hold time?

Did all bottles arrive in good condition (unbroken, etc.)?

Was sufficient amount of sample sent for the tests indicated?

Was correct preservation added to samples?

If no, Sample Control added preservative to the following:

<u>Sample Number</u>	<u>Reagent</u>	<u>Analyte</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

6 low kits

Were VOA vials checked for absence of air bubbles?

Bubbles present in sample #: none

Temperature of cooler upon receipt: 4.9°C Ice Cold Cool Ambient N/A

Explain any discrepancies: _____

Was client contacted? _____ Who was called? _____ By whom? _____ Date: _____

Outcome of call: _____



December 22, 2022

Ms. Stephanie Renando
Landau Associates, Inc.
155 NE 100th St, Ste 302
Seattle, WA 98125

Dear Ms. Renando,

On November 29th, 8 samples were received by our laboratory and assigned our laboratory project number EV22110168. The project was identified as your TECT RI - 222057.040.043. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Glen Perry
Laboratory Director



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/22/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110168
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110168-01
CLIENT SAMPLE ID	Trip Blanks	DATE RECEIVED:	11/29/2022
		COLLECTION DATE:	11/29/2022 2:00:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Vinyl Chloride	EPA-8260	U	0.020	1	UG/L	12/01/2022	DLC
Chloroethane	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
Carbon Tetrachloride	EPA-8260	U	0.50	1	UG/L	12/01/2022	DLC
Carbon Disulfide	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
Acetone	EPA-8260	U	25	1	UG/L	12/01/2022	DLC
1,1-Dichloroethene	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
Methylene Chloride	EPA-8260	U	5.0	1	UG/L	12/01/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
1,1-Dichloroethane	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
2-Butanone	EPA-8260	U	10	1	UG/L	12/01/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
Chloroform	EPA-8260	U	0.50	1	UG/L	12/01/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
1,2-Dichloroethane	EPA-8260	U	0.020	1	UG/L	12/01/2022	DLC
Benzene	EPA-8260	U	0.50	1	UG/L	12/01/2022	DLC
Trichloroethene	EPA-8260	U	0.50	1	UG/L	12/01/2022	DLC
1,2-Dichloropropane	EPA-8260	U	0.50	1	UG/L	12/01/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	10	1	UG/L	12/01/2022	DLC
Toluene	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	0.50	1	UG/L	12/01/2022	DLC
2-Hexanone	EPA-8260	U	10	1	UG/L	12/01/2022	DLC
Tetrachloroethylene	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
1,2-Dibromoethane	EPA-8260	U	0.010	1	UG/L	12/01/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	0.50	1	UG/L	12/01/2022	DLC
Ethylbenzene	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
Isopropylbenzene	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	0.50	1	UG/L	12/01/2022	DLC
N-Propyl Benzene	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
S-Butyl Benzene	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
P-Isopropyltoluene	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
Naphthalene	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
Xylenes	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
1,2-Dichloroethane-d4	EPA-8260	101	12/01/2022	DLC

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/22/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110168
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110168-01
CLIENT SAMPLE ID	Trip Blanks	DATE RECEIVED:	11/29/2022
		COLLECTION DATE:	11/29/2022 2:00:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
Toluene-d8	EPA-8260	101	12/01/2022	DLC
4-Bromofluorobenzene	EPA-8260	94.8	12/01/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/22/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110168
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110168-02
CLIENT SAMPLE ID	RISB-79-(9-10')	DATE RECEIVED:	11/29/2022
		COLLECTION DATE:	11/29/2022 10:15:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
Vinyl Chloride	EPA-8260	U	0.050	1	UG/KG	12/05/2022	DLC
Chloroethane	EPA-8260	U	10	1	UG/KG	12/05/2022	DLC
Carbon Tetrachloride	EPA-8260	U	1.5	1	UG/KG	12/05/2022	DLC
Carbon Disulfide	EPA-8260	U	10	1	UG/KG	12/05/2022	DLC
Acetone	EPA-8260	U	50	1	UG/KG	12/05/2022	DLC
1,1-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	12/05/2022	DLC
Methylene Chloride	EPA-8260	U	1.5	1	UG/KG	12/05/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	1.5	1	UG/KG	12/05/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	12/05/2022	DLC
1,1-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	12/05/2022	DLC
2-Butanone	EPA-8260	U	50	1	UG/KG	12/05/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	12/05/2022	DLC
Chloroform	EPA-8260	U	1.5	1	UG/KG	12/05/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	10	1	UG/KG	12/05/2022	DLC
1,2-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	12/05/2022	DLC
Benzene	EPA-8260	U	1.5	1	UG/KG	12/05/2022	DLC
Trichloroethene	EPA-8260	U	1.5	1	UG/KG	12/05/2022	DLC
1,2-Dichloropropane	EPA-8260	U	1.5	1	UG/KG	12/05/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	50	1	UG/KG	12/05/2022	DLC
Toluene	EPA-8260	U	10	1	UG/KG	12/05/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	1.5	1	UG/KG	12/05/2022	DLC
2-Hexanone	EPA-8260	U	50	1	UG/KG	12/05/2022	DLC
Tetrachloroethylene	EPA-8260	U	1.5	1	UG/KG	12/05/2022	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	12/05/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	12/05/2022	DLC
Ethylbenzene	EPA-8260	U	10	1	UG/KG	12/05/2022	DLC
Isopropylbenzene	EPA-8260	U	10	1	UG/KG	12/05/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	1.5	1	UG/KG	12/05/2022	DLC
N-Propyl Benzene	EPA-8260	U	10	1	UG/KG	12/05/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	12/05/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	12/05/2022	DLC
S-Butyl Benzene	EPA-8260	U	10	1	UG/KG	12/05/2022	DLC
P-Isopropyltoluene	EPA-8260	U	10	1	UG/KG	12/05/2022	DLC
Naphthalene	EPA-8260	U	10	1	UG/KG	12/05/2022	DLC
Xylenes	EPA-8260	U	20	1	UG/KG	12/05/2022	DLC

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
1,2-Dichloroethane-d4	EPA-8260	97.9	12/05/2022	DLC

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/22/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110168
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110168-02
CLIENT SAMPLE ID	RISB-79-(9-10')	DATE RECEIVED:	11/29/2022
		COLLECTION DATE:	11/29/2022 10:15:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
Toluene-d8	EPA-8260	96.5	12/05/2022	DLC
4-Bromofluorobenzene	EPA-8260	102	12/05/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/22/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110168
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110168-03
CLIENT SAMPLE ID	RISB-79-(19-20')	DATE RECEIVED:	11/29/2022
		COLLECTION DATE:	11/29/2022 10:40:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
Vinyl Chloride	EPA-8260	U	0.050	1	UG/KG	12/05/2022	DLC
Chloroethane	EPA-8260	U	10	1	UG/KG	12/05/2022	DLC
Carbon Tetrachloride	EPA-8260	U	1.5	1	UG/KG	12/05/2022	DLC
Carbon Disulfide	EPA-8260	U	10	1	UG/KG	12/05/2022	DLC
Acetone	EPA-8260	U	50	1	UG/KG	12/05/2022	DLC
1,1-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	12/05/2022	DLC
Methylene Chloride	EPA-8260	U	1.5	1	UG/KG	12/05/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	1.5	1	UG/KG	12/05/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	12/05/2022	DLC
1,1-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	12/05/2022	DLC
2-Butanone	EPA-8260	U	50	1	UG/KG	12/05/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	12/05/2022	DLC
Chloroform	EPA-8260	U	1.5	1	UG/KG	12/05/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	10	1	UG/KG	12/05/2022	DLC
1,2-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	12/05/2022	DLC
Benzene	EPA-8260	U	1.5	1	UG/KG	12/05/2022	DLC
Trichloroethene	EPA-8260	U	1.5	1	UG/KG	12/05/2022	DLC
1,2-Dichloropropane	EPA-8260	U	1.5	1	UG/KG	12/05/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	50	1	UG/KG	12/05/2022	DLC
Toluene	EPA-8260	U	10	1	UG/KG	12/05/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	1.5	1	UG/KG	12/05/2022	DLC
2-Hexanone	EPA-8260	U	50	1	UG/KG	12/05/2022	DLC
Tetrachloroethylene	EPA-8260	U	1.5	1	UG/KG	12/05/2022	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	12/05/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	12/05/2022	DLC
Ethylbenzene	EPA-8260	U	10	1	UG/KG	12/05/2022	DLC
Isopropylbenzene	EPA-8260	U	10	1	UG/KG	12/05/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	1.5	1	UG/KG	12/05/2022	DLC
N-Propyl Benzene	EPA-8260	U	10	1	UG/KG	12/05/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	12/05/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	12/05/2022	DLC
S-Butyl Benzene	EPA-8260	U	10	1	UG/KG	12/05/2022	DLC
P-Isopropyltoluene	EPA-8260	U	10	1	UG/KG	12/05/2022	DLC
Naphthalene	EPA-8260	U	10	1	UG/KG	12/05/2022	DLC
Xylenes	EPA-8260	U	20	1	UG/KG	12/05/2022	DLC

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
1,2-Dichloroethane-d4	EPA-8260	95.7	12/05/2022	DLC

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/22/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110168
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110168-03
CLIENT SAMPLE ID	RISB-79-(19-20')	DATE RECEIVED:	11/29/2022
		COLLECTION DATE:	11/29/2022 10:40:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
Toluene-d8	EPA-8260	99.7	12/05/2022	DLC
4-Bromofluorobenzene	EPA-8260	102	12/05/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/22/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110168
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110168-04
CLIENT SAMPLE ID	RISB-79-GW-221129	DATE RECEIVED:	11/29/2022
		COLLECTION DATE:	11/29/2022 11:12:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
Vinyl Chloride	EPA-8260	0.16	0.020	1	UG/L	12/01/2022	DLC
Chloroethane	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
Carbon Tetrachloride	EPA-8260	U	0.50	1	UG/L	12/01/2022	DLC
Carbon Disulfide	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
Acetone	EPA-8260	U	25	1	UG/L	12/01/2022	DLC
1,1-Dichloroethene	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
Methylene Chloride	EPA-8260	U	5.0	1	UG/L	12/01/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
1,1-Dichloroethane	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
2-Butanone	EPA-8260	U	10	1	UG/L	12/01/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	4.6	2.0	1	UG/L	12/01/2022	DLC
Chloroform	EPA-8260	U	0.50	1	UG/L	12/01/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
1,2-Dichloroethane	EPA-8260	U	0.020	1	UG/L	12/01/2022	DLC
Benzene	EPA-8260	U	0.50	1	UG/L	12/01/2022	DLC
Trichloroethene	EPA-8260	9.0	0.50	1	UG/L	12/01/2022	DLC
1,2-Dichloropropane	EPA-8260	U	0.50	1	UG/L	12/01/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	10	1	UG/L	12/01/2022	DLC
Toluene	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	0.50	1	UG/L	12/01/2022	DLC
2-Hexanone	EPA-8260	U	10	1	UG/L	12/01/2022	DLC
Tetrachloroethylene	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
1,2-Dibromoethane	EPA-8260	U	0.010	1	UG/L	12/01/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	0.50	1	UG/L	12/01/2022	DLC
Ethylbenzene	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
Isopropylbenzene	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	0.50	1	UG/L	12/01/2022	DLC
N-Propyl Benzene	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
S-Butyl Benzene	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
P-Isopropyltoluene	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
Naphthalene	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
Xylenes	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
1,2-Dichloroethane-d4	EPA-8260	101	12/01/2022	DLC

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/22/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110168
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110168-04
CLIENT SAMPLE ID	RISB-79-GW-221129	DATE RECEIVED:	11/29/2022
		COLLECTION DATE:	11/29/2022 11:12:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
Toluene-d8	EPA-8260	99.8	12/01/2022	DLC
4-Bromofluorobenzene	EPA-8260	96.8	12/01/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/22/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110168
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110168-05
CLIENT SAMPLE ID	RISB-79-(29-30')	DATE RECEIVED:	11/29/2022
		COLLECTION DATE:	11/29/2022 1:10:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
Vinyl Chloride	EPA-8260	U	0.050	1	UG/KG	12/06/2022	DLC
Chloroethane	EPA-8260	U	10	1	UG/KG	12/06/2022	DLC
Carbon Tetrachloride	EPA-8260	U	1.5	1	UG/KG	12/06/2022	DLC
Carbon Disulfide	EPA-8260	U	10	1	UG/KG	12/06/2022	DLC
Acetone	EPA-8260	U	50	1	UG/KG	12/06/2022	DLC
1,1-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	12/06/2022	DLC
Methylene Chloride	EPA-8260	U	1.5	1	UG/KG	12/06/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	1.5	1	UG/KG	12/06/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	12/06/2022	DLC
1,1-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	12/06/2022	DLC
2-Butanone	EPA-8260	U	50	1	UG/KG	12/06/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	12/06/2022	DLC
Chloroform	EPA-8260	U	1.5	1	UG/KG	12/06/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	10	1	UG/KG	12/06/2022	DLC
1,2-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	12/06/2022	DLC
Benzene	EPA-8260	U	1.5	1	UG/KG	12/06/2022	DLC
Trichloroethene	EPA-8260	U	1.5	1	UG/KG	12/06/2022	DLC
1,2-Dichloropropane	EPA-8260	U	1.5	1	UG/KG	12/06/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	50	1	UG/KG	12/06/2022	DLC
Toluene	EPA-8260	U	10	1	UG/KG	12/06/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	1.5	1	UG/KG	12/06/2022	DLC
2-Hexanone	EPA-8260	U	50	1	UG/KG	12/06/2022	DLC
Tetrachloroethylene	EPA-8260	U	1.5	1	UG/KG	12/06/2022	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	12/06/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	12/06/2022	DLC
Ethylbenzene	EPA-8260	U	10	1	UG/KG	12/06/2022	DLC
Isopropylbenzene	EPA-8260	U	10	1	UG/KG	12/06/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	1.5	1	UG/KG	12/06/2022	DLC
N-Propyl Benzene	EPA-8260	U	10	1	UG/KG	12/06/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	12/06/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	12/06/2022	DLC
S-Butyl Benzene	EPA-8260	U	10	1	UG/KG	12/06/2022	DLC
P-Isopropyltoluene	EPA-8260	U	10	1	UG/KG	12/06/2022	DLC
Naphthalene	EPA-8260	U	10	1	UG/KG	12/06/2022	DLC
Xylenes	EPA-8260	U	20	1	UG/KG	12/06/2022	DLC

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
1,2-Dichloroethane-d4	EPA-8260	98.7	12/06/2022	DLC

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/22/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110168
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110168-05
CLIENT SAMPLE ID	RISB-79-(29-30')	DATE RECEIVED:	11/29/2022
		COLLECTION DATE:	11/29/2022 1:10:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
Toluene-d8	EPA-8260	102	12/06/2022	DLC
4-Bromofluorobenzene	EPA-8260	99.9	12/06/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/22/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110168
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110168-06
CLIENT SAMPLE ID	RISB-78-(9-10')	DATE RECEIVED:	11/29/2022
		COLLECTION DATE:	11/29/2022 3:55:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
Vinyl Chloride	EPA-8260	U	0.050	1	UG/KG	12/06/2022	DLC
Chloroethane	EPA-8260	U	10	1	UG/KG	12/06/2022	DLC
Carbon Tetrachloride	EPA-8260	U	1.5	1	UG/KG	12/06/2022	DLC
Carbon Disulfide	EPA-8260	U	10	1	UG/KG	12/06/2022	DLC
Acetone	EPA-8260	U	50	1	UG/KG	12/06/2022	DLC
1,1-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	12/06/2022	DLC
Methylene Chloride	EPA-8260	U	1.6	1	UG/KG	12/06/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	1.5	1	UG/KG	12/06/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	12/06/2022	DLC
1,1-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	12/06/2022	DLC
2-Butanone	EPA-8260	U	50	1	UG/KG	12/06/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	12/06/2022	DLC
Chloroform	EPA-8260	U	1.5	1	UG/KG	12/06/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	10	1	UG/KG	12/06/2022	DLC
1,2-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	12/06/2022	DLC
Benzene	EPA-8260	U	1.5	1	UG/KG	12/06/2022	DLC
Trichloroethene	EPA-8260	U	1.5	1	UG/KG	12/06/2022	DLC
1,2-Dichloropropane	EPA-8260	U	1.5	1	UG/KG	12/06/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	50	1	UG/KG	12/06/2022	DLC
Toluene	EPA-8260	U	10	1	UG/KG	12/06/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	1.5	1	UG/KG	12/06/2022	DLC
2-Hexanone	EPA-8260	U	50	1	UG/KG	12/06/2022	DLC
Tetrachloroethylene	EPA-8260	U	1.5	1	UG/KG	12/06/2022	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	12/06/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	12/06/2022	DLC
Ethylbenzene	EPA-8260	U	10	1	UG/KG	12/06/2022	DLC
Isopropylbenzene	EPA-8260	U	10	1	UG/KG	12/06/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	1.5	1	UG/KG	12/06/2022	DLC
N-Propyl Benzene	EPA-8260	U	10	1	UG/KG	12/06/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	12/06/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	12/06/2022	DLC
S-Butyl Benzene	EPA-8260	U	10	1	UG/KG	12/06/2022	DLC
P-Isopropyltoluene	EPA-8260	U	10	1	UG/KG	12/06/2022	DLC
Naphthalene	EPA-8260	U	10	1	UG/KG	12/06/2022	DLC
Xylenes	EPA-8260	U	20	1	UG/KG	12/06/2022	DLC

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
1,2-Dichloroethane-d4	EPA-8260	96.0	12/06/2022	DLC

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/22/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110168
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110168-06
CLIENT SAMPLE ID	RISB-78-(9-10')	DATE RECEIVED:	11/29/2022
		COLLECTION DATE:	11/29/2022 3:55:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

SURROGATE	METHOD	%REC	ANALYSIS ANALYSIS	
			DATE	BY
Toluene-d8	EPA-8260	96.5	12/06/2022	DLC
4-Bromofluorobenzene	EPA-8260	97.8	12/06/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/22/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110168
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110168-07
CLIENT SAMPLE ID	RISB-78-(19-20')	DATE RECEIVED:	11/29/2022
		COLLECTION DATE:	11/29/2022 4:20:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
Vinyl Chloride	EPA-8260	U	0.050	1	UG/KG	12/06/2022	DLC
Chloroethane	EPA-8260	U	10	1	UG/KG	12/06/2022	DLC
Carbon Tetrachloride	EPA-8260	U	1.5	1	UG/KG	12/06/2022	DLC
Carbon Disulfide	EPA-8260	U	10	1	UG/KG	12/06/2022	DLC
Acetone	EPA-8260	U	50	1	UG/KG	12/06/2022	DLC
1,1-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	12/06/2022	DLC
Methylene Chloride	EPA-8260	U	1.5	1	UG/KG	12/06/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	1.5	1	UG/KG	12/06/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	12/06/2022	DLC
1,1-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	12/06/2022	DLC
2-Butanone	EPA-8260	U	50	1	UG/KG	12/06/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	12/06/2022	DLC
Chloroform	EPA-8260	U	1.5	1	UG/KG	12/06/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	10	1	UG/KG	12/06/2022	DLC
1,2-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	12/06/2022	DLC
Benzene	EPA-8260	U	1.5	1	UG/KG	12/06/2022	DLC
Trichloroethene	EPA-8260	U	1.5	1	UG/KG	12/06/2022	DLC
1,2-Dichloropropane	EPA-8260	U	1.5	1	UG/KG	12/06/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	50	1	UG/KG	12/06/2022	DLC
Toluene	EPA-8260	U	10	1	UG/KG	12/06/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	1.5	1	UG/KG	12/06/2022	DLC
2-Hexanone	EPA-8260	U	50	1	UG/KG	12/06/2022	DLC
Tetrachloroethylene	EPA-8260	U	1.5	1	UG/KG	12/06/2022	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	12/06/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	12/06/2022	DLC
Ethylbenzene	EPA-8260	U	10	1	UG/KG	12/06/2022	DLC
Isopropylbenzene	EPA-8260	U	10	1	UG/KG	12/06/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	1.5	1	UG/KG	12/06/2022	DLC
N-Propyl Benzene	EPA-8260	U	10	1	UG/KG	12/06/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	12/06/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	12/06/2022	DLC
S-Butyl Benzene	EPA-8260	U	10	1	UG/KG	12/06/2022	DLC
P-Isopropyltoluene	EPA-8260	U	10	1	UG/KG	12/06/2022	DLC
Naphthalene	EPA-8260	U	10	1	UG/KG	12/06/2022	DLC
Xylenes	EPA-8260	U	20	1	UG/KG	12/06/2022	DLC

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
1,2-Dichloroethane-d4	EPA-8260	92.5	12/06/2022	DLC

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/22/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110168
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110168-07
CLIENT SAMPLE ID	RISB-78-(19-20')	DATE RECEIVED:	11/29/2022
		COLLECTION DATE:	11/29/2022 4:20:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
Toluene-d8	EPA-8260	102	12/06/2022	DLC
4-Bromofluorobenzene	EPA-8260	102	12/06/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/22/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110168
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110168-08
CLIENT SAMPLE ID	RISB-78-GW-221129	DATE RECEIVED:	11/29/2022
		COLLECTION DATE:	11/29/2022 4:37:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Vinyl Chloride	EPA-8260	U	0.020	1	UG/L	12/01/2022	DLC
Chloroethane	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
Carbon Tetrachloride	EPA-8260	U	0.50	1	UG/L	12/01/2022	DLC
Carbon Disulfide	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
Acetone	EPA-8260	U	25	1	UG/L	12/01/2022	DLC
1,1-Dichloroethene	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
Methylene Chloride	EPA-8260	U	5.0	1	UG/L	12/01/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
1,1-Dichloroethane	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
2-Butanone	EPA-8260	U	10	1	UG/L	12/01/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
Chloroform	EPA-8260	U	0.50	1	UG/L	12/01/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
1,2-Dichloroethane	EPA-8260	U	0.020	1	UG/L	12/01/2022	DLC
Benzene	EPA-8260	U	0.50	1	UG/L	12/01/2022	DLC
Trichloroethene	EPA-8260	U	0.50	1	UG/L	12/01/2022	DLC
1,2-Dichloropropane	EPA-8260	U	0.50	1	UG/L	12/01/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	10	1	UG/L	12/01/2022	DLC
Toluene	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	0.50	1	UG/L	12/01/2022	DLC
2-Hexanone	EPA-8260	U	10	1	UG/L	12/01/2022	DLC
Tetrachloroethylene	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
1,2-Dibromoethane	EPA-8260	U	0.010	1	UG/L	12/01/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	0.50	1	UG/L	12/01/2022	DLC
Ethylbenzene	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
Isopropylbenzene	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	0.50	1	UG/L	12/01/2022	DLC
N-Propyl Benzene	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
S-Butyl Benzene	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
P-Isopropyltoluene	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
Naphthalene	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
Xylenes	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
1,4-Dioxane	EPA-8270M	U	0.10	1	UG/L	12/06/2022	OSE

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
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CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/22/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110168
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110168-08
CLIENT SAMPLE ID	RISB-78-GW-221129	DATE RECEIVED:	11/29/2022
		COLLECTION DATE:	11/29/2022 4:37:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

SURROGATE	METHOD	%REC	ANALYSIS ANALYSIS	
			DATE	BY
1,2-Dichloroethane-d4	EPA-8260	102	12/01/2022	DLC
Toluene-d8	EPA-8260	99.9	12/01/2022	DLC
4-Bromofluorobenzene	EPA-8260	97.1	12/01/2022	DLC
d8-1,4-Dioxane	EPA-8270M	62.0	12/06/2022	OSE

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/22/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110168
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY BLANK RESULTS

MB-120522S - Batch 187023 - Soil by EPA-8260

ANALYTE	METHOD	RESULTS	UNITS	REPORTING	ANALYSIS	ANALYSIS
				LIMITS	DATE	BY
Vinyl Chloride	EPA-8260	U	UG/KG	0.050	12/05/2022	DLC
Chloroethane	EPA-8260	U	UG/KG	10	12/05/2022	DLC
Carbon Tetrachloride	EPA-8260	U	UG/KG	1.5	12/05/2022	DLC
Carbon Disulfide	EPA-8260	U	UG/KG	10	12/05/2022	DLC
Acetone	EPA-8260	U	UG/KG	50	12/05/2022	DLC
1,1-Dichloroethene	EPA-8260	U	UG/KG	1.5	12/05/2022	DLC
Methylene Chloride	EPA-8260	U	UG/KG	2.3	12/05/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	UG/KG	1.5	12/05/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	UG/KG	10	12/05/2022	DLC
1,1-Dichloroethane	EPA-8260	U	UG/KG	1.5	12/05/2022	DLC
2-Butanone	EPA-8260	U	UG/KG	50	12/05/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	UG/KG	1.5	12/05/2022	DLC
Chloroform	EPA-8260	U	UG/KG	1.5	12/05/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	UG/KG	10	12/05/2022	DLC
1,2-Dichloroethane	EPA-8260	U	UG/KG	1.5	12/05/2022	DLC
Benzene	EPA-8260	U	UG/KG	1.5	12/05/2022	DLC
Trichloroethene	EPA-8260	U	UG/KG	1.5	12/05/2022	DLC
1,2-Dichloropropane	EPA-8260	U	UG/KG	1.5	12/05/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	UG/KG	50	12/05/2022	DLC
Toluene	EPA-8260	U	UG/KG	10	12/05/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	UG/KG	1.5	12/05/2022	DLC
2-Hexanone	EPA-8260	U	UG/KG	50	12/05/2022	DLC
Tetrachloroethylene	EPA-8260	U	UG/KG	1.5	12/05/2022	DLC
1,2-Dibromoethane	EPA-8260	U	UG/KG	5.0	12/05/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	UG/KG	10	12/05/2022	DLC
Ethylbenzene	EPA-8260	U	UG/KG	10	12/05/2022	DLC
Isopropylbenzene	EPA-8260	U	UG/KG	10	12/05/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	UG/KG	1.5	12/05/2022	DLC
N-Propyl Benzene	EPA-8260	U	UG/KG	10	12/05/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	UG/KG	10	12/05/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	UG/KG	10	12/05/2022	DLC
S-Butyl Benzene	EPA-8260	U	UG/KG	10	12/05/2022	DLC
P-Isopropyltoluene	EPA-8260	U	UG/KG	10	12/05/2022	DLC
Naphthalene	EPA-8260	U	UG/KG	10	12/05/2022	DLC
Xylenes	EPA-8260	U	UG/KG	20	12/05/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/22/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110168
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY BLANK RESULTS

MB-113022W - Batch 187011 - Water by EPA-8260

ANALYTE	METHOD	RESULTS	UNITS	REPORTING	ANALYSIS	ANALYSIS
				LIMITS	DATE	BY
Vinyl Chloride	EPA-8260	U	UG/L	0.020	11/30/2022	DLC
Chloroethane	EPA-8260	U	UG/L	2.0	11/30/2022	DLC
Carbon Tetrachloride	EPA-8260	U	UG/L	0.50	11/30/2022	DLC
Carbon Disulfide	EPA-8260	U	UG/L	2.0	11/30/2022	DLC
Acetone	EPA-8260	U	UG/L	25	11/30/2022	DLC
1,1-Dichloroethene	EPA-8260	U	UG/L	2.0	11/30/2022	DLC
Methylene Chloride	EPA-8260	U	UG/L	5.0	11/30/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	UG/L	2.0	11/30/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	UG/L	2.0	11/30/2022	DLC
1,1-Dichloroethane	EPA-8260	U	UG/L	2.0	11/30/2022	DLC
2-Butanone	EPA-8260	U	UG/L	10	11/30/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	UG/L	2.0	11/30/2022	DLC
Chloroform	EPA-8260	U	UG/L	0.50	11/30/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	UG/L	2.0	11/30/2022	DLC
1,2-Dichloroethane	EPA-8260	U	UG/L	0.020	11/30/2022	DLC
Benzene	EPA-8260	U	UG/L	0.50	11/30/2022	DLC
Trichloroethene	EPA-8260	U	UG/L	0.50	11/30/2022	DLC
1,2-Dichloropropane	EPA-8260	U	UG/L	0.50	11/30/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	UG/L	10	11/30/2022	DLC
Toluene	EPA-8260	U	UG/L	2.0	11/30/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	UG/L	0.50	11/30/2022	DLC
2-Hexanone	EPA-8260	U	UG/L	10	11/30/2022	DLC
Tetrachloroethylene	EPA-8260	U	UG/L	2.0	11/30/2022	DLC
1,2-Dibromoethane	EPA-8260	U	UG/L	0.010	11/30/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	UG/L	0.50	11/30/2022	DLC
Ethylbenzene	EPA-8260	U	UG/L	2.0	11/30/2022	DLC
Isopropylbenzene	EPA-8260	U	UG/L	2.0	11/30/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	UG/L	0.50	11/30/2022	DLC
N-Propyl Benzene	EPA-8260	U	UG/L	2.0	11/30/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	UG/L	2.0	11/30/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	UG/L	2.0	11/30/2022	DLC
S-Butyl Benzene	EPA-8260	U	UG/L	2.0	11/30/2022	DLC
P-Isopropyltoluene	EPA-8260	U	UG/L	2.0	11/30/2022	DLC
Naphthalene	EPA-8260	U	UG/L	2.0	11/30/2022	DLC
Xylenes	EPA-8260	U	UG/L	2.0	11/30/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT: Landau Associates, Inc. DATE: 12/22/2022
155 NE 100th St, Ste 302 ALS SDG#: EV22110168
Seattle, WA 98125 WDOE ACCREDITATION: C601
CLIENT CONTACT: Stephanie Renando
CLIENT PROJECT: TECT RI - 222057.040.043

LABORATORY BLANK RESULTS

MBLK-R423651 - Batch R423651 - Water by EPA-8270M

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
1,4-Dioxane	EPA-8270M	U	UG/L	0.10	12/06/2022	OSE

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/22/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110168
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 187023 - Soil by EPA-8260

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Vinyl Chloride - BS	EPA-8260	105			50	150	12/05/2022	DLC
Vinyl Chloride - BSD	EPA-8260	102	4		50	150	12/05/2022	DLC
Chloroethane - BS	EPA-8260	96.4			50	150	12/05/2022	DLC
Chloroethane - BSD	EPA-8260	93.6	3		50	150	12/05/2022	DLC
Carbon Tetrachloride - BS	EPA-8260	95.3			50	150	12/05/2022	DLC
Carbon Tetrachloride - BSD	EPA-8260	96.3	1		50	150	12/05/2022	DLC
Carbon Disulfide - BS	EPA-8260	96.6			50	150	12/05/2022	DLC
Carbon Disulfide - BSD	EPA-8260	94.5	2		50	150	12/05/2022	DLC
Acetone - BS	EPA-8260	107			50	150	12/05/2022	DLC
Acetone - BSD	EPA-8260	99.0	8		50	150	12/05/2022	DLC
1,1-Dichloroethene - BS	EPA-8260	97.2			70	130	12/05/2022	DLC
1,1-Dichloroethene - BSD	EPA-8260	94.7	3		70	130	12/05/2022	DLC
Methylene Chloride - BS	EPA-8260	94.5			50	150	12/05/2022	DLC
Methylene Chloride - BSD	EPA-8260	98.7	4		50	150	12/05/2022	DLC
Methyl T-Butyl Ether - BS	EPA-8260	96.3			50	150	12/05/2022	DLC
Methyl T-Butyl Ether - BSD	EPA-8260	96.6	0		50	150	12/05/2022	DLC
Trans-1,2-Dichloroethene - BS	EPA-8260	94.7			50	150	12/05/2022	DLC
Trans-1,2-Dichloroethene - BSD	EPA-8260	93.8	1		50	150	12/05/2022	DLC
1,1-Dichloroethane - BS	EPA-8260	98.6			50	150	12/05/2022	DLC
1,1-Dichloroethane - BSD	EPA-8260	93.6	5		50	150	12/05/2022	DLC
2-Butanone - BS	EPA-8260	77.3			50	150	12/05/2022	DLC
2-Butanone - BSD	EPA-8260	88.8	14		50	150	12/05/2022	DLC
Cis-1,2-Dichloroethene - BS	EPA-8260	95.8			50	150	12/05/2022	DLC
Cis-1,2-Dichloroethene - BSD	EPA-8260	98.6	3		50	150	12/05/2022	DLC
Chloroform - BS	EPA-8260	91.1			50	150	12/05/2022	DLC
Chloroform - BSD	EPA-8260	96.1	5		50	150	12/05/2022	DLC
1,1,1-Trichloroethane - BS	EPA-8260	89.8			50	150	12/05/2022	DLC
1,1,1-Trichloroethane - BSD	EPA-8260	91.3	2		50	150	12/05/2022	DLC
1,2-Dichloroethane - BS	EPA-8260	96.7			50	150	12/05/2022	DLC
1,2-Dichloroethane - BSD	EPA-8260	98.0	1		50	150	12/05/2022	DLC
Benzene - BS	EPA-8260	98.5			75	138	12/05/2022	DLC
Benzene - BSD	EPA-8260	96.7	2		75	138	12/05/2022	DLC
Trichloroethene - BS	EPA-8260	97.2			75	136	12/05/2022	DLC
Trichloroethene - BSD	EPA-8260	95.8	1		75	136	12/05/2022	DLC
1,2-Dichloropropane - BS	EPA-8260	100			50	150	12/05/2022	DLC
1,2-Dichloropropane - BSD	EPA-8260	98.1	2		50	150	12/05/2022	DLC
4-Methyl-2-Pentanone - BS	EPA-8260	101			50	150	12/05/2022	DLC
4-Methyl-2-Pentanone - BSD	EPA-8260	102	1		50	150	12/05/2022	DLC
Toluene - BS	EPA-8260	93.4			71.6	122.1	12/05/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/22/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110168
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Toluene - BSD	EPA-8260	93.5	0		71.6	122.1	12/05/2022	DLC
1,1,2-Trichloroethane - BS	EPA-8260	97.5			50	150	12/05/2022	DLC
1,1,2-Trichloroethane - BSD	EPA-8260	97.9	0		50	150	12/05/2022	DLC
2-Hexanone - BS	EPA-8260	102			50	150	12/05/2022	DLC
2-Hexanone - BSD	EPA-8260	97.6	5		50	150	12/05/2022	DLC
Tetrachloroethylene - BS	EPA-8260	95.7			50	150	12/05/2022	DLC
Tetrachloroethylene - BSD	EPA-8260	93.4	2		50	150	12/05/2022	DLC
1,2-Dibromoethane - BS	EPA-8260	102			50	150	12/05/2022	DLC
1,2-Dibromoethane - BSD	EPA-8260	102	0		50	150	12/05/2022	DLC
1,1,1,2-Tetrachloroethane - BS	EPA-8260	96.9			50	150	12/05/2022	DLC
1,1,1,2-Tetrachloroethane - BSD	EPA-8260	100	3		50	150	12/05/2022	DLC
Ethylbenzene - BS	EPA-8260	98.3			50	150	12/05/2022	DLC
Ethylbenzene - BSD	EPA-8260	97.5	1		50	150	12/05/2022	DLC
Isopropylbenzene - BS	EPA-8260	95.8			50	150	12/05/2022	DLC
Isopropylbenzene - BSD	EPA-8260	97.0	1		50	150	12/05/2022	DLC
1,1,2,2-Tetrachloroethane - BS	EPA-8260	100			50	150	12/05/2022	DLC
1,1,2,2-Tetrachloroethane - BSD	EPA-8260	96.8	3		50	150	12/05/2022	DLC
N-Propyl Benzene - BS	EPA-8260	99.4			50	150	12/05/2022	DLC
N-Propyl Benzene - BSD	EPA-8260	96.5	3		50	150	12/05/2022	DLC
1,3,5-Trimethylbenzene - BS	EPA-8260	101			50	150	12/05/2022	DLC
1,3,5-Trimethylbenzene - BSD	EPA-8260	99.8	1		50	150	12/05/2022	DLC
1,2,4-Trimethylbenzene - BS	EPA-8260	98.5			50	150	12/05/2022	DLC
1,2,4-Trimethylbenzene - BSD	EPA-8260	96.8	2		50	150	12/05/2022	DLC
S-Butyl Benzene - BS	EPA-8260	96.8			50	150	12/05/2022	DLC
S-Butyl Benzene - BSD	EPA-8260	96.3	1		50	150	12/05/2022	DLC
P-Isopropyltoluene - BS	EPA-8260	95.7			50	150	12/05/2022	DLC
P-Isopropyltoluene - BSD	EPA-8260	94.7	1		50	150	12/05/2022	DLC
Naphthalene - BS	EPA-8260	97.4			50	150	12/05/2022	DLC
Naphthalene - BSD	EPA-8260	98.4	1		50	150	12/05/2022	DLC
Xylenes - BS	EPA-8260	96.9			50	150	12/05/2022	DLC
Xylenes - BSD	EPA-8260	98.1	1		50	150	12/05/2022	DLC

ALS Test Batch ID: 187011 - Water by EPA-8260

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Vinyl Chloride - BS	EPA-8260	121			50	150	11/30/2022	DLC
Vinyl Chloride - BSD	EPA-8260	113	8		50	150	11/30/2022	DLC
Chloroethane - BS	EPA-8260	109			50	150	11/30/2022	DLC
Chloroethane - BSD	EPA-8260	102	6		50	150	11/30/2022	DLC
Carbon Tetrachloride - BS	EPA-8260	111			50	150	11/30/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/22/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110168
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Carbon Tetrachloride - BSD	EPA-8260	105	5		50	150	11/30/2022	DLC
Carbon Disulfide - BS	EPA-8260	114			50	150	11/30/2022	DLC
Carbon Disulfide - BSD	EPA-8260	108	5		50	150	11/30/2022	DLC
Acetone - BS	EPA-8260	89.9			50	150	11/30/2022	DLC
Acetone - BSD	EPA-8260	88.8	1		50	150	11/30/2022	DLC
1,1-Dichloroethene - BS	EPA-8260	115			72.5	136	11/30/2022	DLC
1,1-Dichloroethene - BSD	EPA-8260	109	5		72.5	136	11/30/2022	DLC
Methylene Chloride - BS	EPA-8260	97.2			50	150	11/30/2022	DLC
Methylene Chloride - BSD	EPA-8260	94.3	3		50	150	11/30/2022	DLC
Methyl T-Butyl Ether - BS	EPA-8260	103			50	150	11/30/2022	DLC
Methyl T-Butyl Ether - BSD	EPA-8260	100	3		50	150	11/30/2022	DLC
Trans-1,2-Dichloroethene - BS	EPA-8260	106			50	150	11/30/2022	DLC
Trans-1,2-Dichloroethene - BSD	EPA-8260	101	5		50	150	11/30/2022	DLC
1,1-Dichloroethane - BS	EPA-8260	105			50	150	11/30/2022	DLC
1,1-Dichloroethane - BSD	EPA-8260	100	5		50	150	11/30/2022	DLC
2-Butanone - BS	EPA-8260	107			50	150	11/30/2022	DLC
2-Butanone - BSD	EPA-8260	103	4		50	150	11/30/2022	DLC
Cis-1,2-Dichloroethene - BS	EPA-8260	104			50	150	11/30/2022	DLC
Cis-1,2-Dichloroethene - BSD	EPA-8260	100	4		50	150	11/30/2022	DLC
Chloroform - BS	EPA-8260	113			50	150	11/30/2022	DLC
Chloroform - BSD	EPA-8260	109	4		50	150	11/30/2022	DLC
1,1,1-Trichloroethane - BS	EPA-8260	109			50	150	11/30/2022	DLC
1,1,1-Trichloroethane - BSD	EPA-8260	103	5		50	150	11/30/2022	DLC
1,2-Dichloroethane - BS	EPA-8260	106			50	150	11/30/2022	DLC
1,2-Dichloroethane - BSD	EPA-8260	103	3		50	150	11/30/2022	DLC
Benzene - BS	EPA-8260	107			74.7	143	11/30/2022	DLC
Benzene - BSD	EPA-8260	102	5		74.7	143	11/30/2022	DLC
Trichloroethene - BS	EPA-8260	109			74.4	141	11/30/2022	DLC
Trichloroethene - BSD	EPA-8260	104	5		74.4	141	11/30/2022	DLC
1,2-Dichloropropane - BS	EPA-8260	105			50	150	11/30/2022	DLC
1,2-Dichloropropane - BSD	EPA-8260	101	4		50	150	11/30/2022	DLC
4-Methyl-2-Pentanone - BS	EPA-8260	107			50	150	11/30/2022	DLC
4-Methyl-2-Pentanone - BSD	EPA-8260	102	4		50	150	11/30/2022	DLC
Toluene - BS	EPA-8260	104			71.7	139	11/30/2022	DLC
Toluene - BSD	EPA-8260	98.9	5		71.7	139	11/30/2022	DLC
1,1,2-Trichloroethane - BS	EPA-8260	104			50	150	11/30/2022	DLC
1,1,2-Trichloroethane - BSD	EPA-8260	101	2		50	150	11/30/2022	DLC
2-Hexanone - BS	EPA-8260	105			50	150	11/30/2022	DLC
2-Hexanone - BSD	EPA-8260	103	2		50	150	11/30/2022	DLC
Tetrachloroethylene - BS	EPA-8260	104			50	150	11/30/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/22/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110168
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Tetrachloroethylene - BSD	EPA-8260	96.8	7		50	150	11/30/2022	DLC
1,2-Dibromoethane - BS	EPA-8260	106			50	150	11/30/2022	DLC
1,2-Dibromoethane - BSD	EPA-8260	105	2		50	150	11/30/2022	DLC
1,1,1,2-Tetrachloroethane - BS	EPA-8260	101			50	150	11/30/2022	DLC
1,1,1,2-Tetrachloroethane - BSD	EPA-8260	99.1	2		50	150	11/30/2022	DLC
Ethylbenzene - BS	EPA-8260	103			50	150	11/30/2022	DLC
Ethylbenzene - BSD	EPA-8260	99.7	3		50	150	11/30/2022	DLC
Isopropylbenzene - BS	EPA-8260	104			50	150	11/30/2022	DLC
Isopropylbenzene - BSD	EPA-8260	100	4		50	150	11/30/2022	DLC
1,1,2,2-Tetrachloroethane - BS	EPA-8260	96.1			50	150	11/30/2022	DLC
1,1,2,2-Tetrachloroethane - BSD	EPA-8260	97.0	1		50	150	11/30/2022	DLC
N-Propyl Benzene - BS	EPA-8260	98.5			50	150	11/30/2022	DLC
N-Propyl Benzene - BSD	EPA-8260	98.5	0		50	150	11/30/2022	DLC
1,3,5-Trimethylbenzene - BS	EPA-8260	108			50	150	11/30/2022	DLC
1,3,5-Trimethylbenzene - BSD	EPA-8260	108	0		50	150	11/30/2022	DLC
1,2,4-Trimethylbenzene - BS	EPA-8260	111			50	150	11/30/2022	DLC
1,2,4-Trimethylbenzene - BSD	EPA-8260	111	1		50	150	11/30/2022	DLC
S-Butyl Benzene - BS	EPA-8260	99.7			50	150	11/30/2022	DLC
S-Butyl Benzene - BSD	EPA-8260	99.5	0		50	150	11/30/2022	DLC
P-Isopropyltoluene - BS	EPA-8260	106			50	150	11/30/2022	DLC
P-Isopropyltoluene - BSD	EPA-8260	105	0		50	150	11/30/2022	DLC
Naphthalene - BS	EPA-8260	102			50	150	11/30/2022	DLC
Naphthalene - BSD	EPA-8260	109	7		50	150	11/30/2022	DLC
Xylenes - BS	EPA-8260	102			50	150	11/30/2022	DLC
Xylenes - BSD	EPA-8260	98.8	3		50	150	11/30/2022	DLC

ALS Test Batch ID: R423651 - Water by EPA-8270M

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
1,4-Dioxane - BS	EPA-8270M	32.8			20	120	12/06/2022	OSE
1,4-Dioxane - BSD	EPA-8270M	37.0	12		20	120	12/06/2022	OSE

APPROVED BY

Laboratory Director



Chain-of-Custody Record

Ev22110168

- North Seattle (206) 631-8660
- Tacoma (253) 926-2493
- Olympia (360) 791-3178

- Spokane (509) 327-9737
- Portland (503) 542-1080
- _____

Date 11/29/22
 Page 1 of _____

Turnaround Time: _____
 Standard Standard
 Accelerated _____

Project Name TECT RI Project No. 222057.040.043
 Project Location/Event Everett, WA / Phase III
 Sampler's Name Devan Brandt / Devan King
 Project Contact Stephanie Renando
 Send Results To " Jerry Ninteman & "DATA"

Testing Parameters

*100% (S2600)
1.4 DICKINSON*

PDP Reading (PPM)

Special Handling Requirements: _____
 Shipment Method: _____
 Stored on ice: Yes / No

Sample I.D.	Date	Time	Matrix	No. of Containers														Observations/Comments
1 Trip Blanks	—	—	AQ	2	X													
2 RISB-79-(9-10')	11/29/22	0815	Soil	5	X													— Allow water samples to settle, collect aliquot from clear portion <input type="checkbox"/>
3 RISB-79-(14-20')		0840	Soil	5	X													— NWTPH-Dx - Acid wash cleanup <input type="checkbox"/>
4 RISB-79-GW-221129		0912	AQ	5	X													- Silica gel cleanup <input type="checkbox"/>
5 RISB-79-(24-30')		1110	Soil	5	X													— Dissolved metal samples were field filtered
6 RISB-78-(9-10')		1355	Soil	5	X													
7 RISB-78-(14-20')		1420	Soil	5	X													
8 RISB-78-GW-221129		1437	AQ	2	X	X												Other _____

Relinquished by Devan King
 Signature _____
 Printed Name Devan King
 Company Landau
 Date 11/29/22 Time 1537

Received by Meg Houghton
 Signature _____
 Printed Name Meg Houghton
 Company ALS
 Date 11-29-22 Time 15:37

Relinquished by _____
 Signature _____
 Printed Name _____
 Company _____
 Date _____ Time _____

Received by _____
 Signature _____
 Printed Name _____
 Company _____
 Date _____ Time _____

ALS ENVIRONMENTAL

Sample Receiving Checklist

Client: Landau Associates

ALS Job #: Ev22110168

Project: TECT RI

Received Date: 11-29-22 Received Time: 15:37 By: MA

Type of shipping container: Cooler Box Other

Shipped via: FedEx Ground UPS Mail Courier Hand Delivered
FedEx Express

	<u>Yes</u>	<u>No</u>	<u>N/A</u>
Were custody seals on outside of shipping container?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
If yes, how many? _____			
Where? _____			
Custody seal date: _____			
Seal name: _____			

Was Chain of Custody properly filled out (ink, signed, dated, etc.)?

Did all bottles have labels?

Did all bottle labels and tags agree with Chain of Custody?

Were samples received within hold time?

Did all bottles arrive in good condition (unbroken, etc.)?

Was sufficient amount of sample sent for the tests indicated?

Was correct preservation added to samples?

If no, Sample Control added preservative to the following: 5 low kits

<u>Sample Number</u>	<u>Reagent</u>	<u>Analyte</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

Were VOA vials checked for absence of air bubbles?
Bubbles present in sample #: None

Temperature of cooler upon receipt: 4.4°C Ice Cold Cool Ambient N/A

Explain any discrepancies: _____

Was client contacted? _____ Who was called? _____ By whom? _____ Date: _____

Outcome of call: _____



December 7, 2022

Ms. Stephanie Renando
Landau Associates, Inc.
155 NE 100th St, Ste 302
Seattle, WA 98125

Dear Ms. Renando,

On November 30th, 2 samples were received by our laboratory and assigned our laboratory project number EV22110169. The project was identified as your TECT RI - 222057.040.043. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Glen Perry
Laboratory Director



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/7/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110169
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110169-01
CLIENT SAMPLE ID	RISB-78-(29-30')	DATE RECEIVED:	11/30/2022
		COLLECTION DATE:	11/29/2022 6:30:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
Vinyl Chloride	EPA-8260	U	0.050	1	UG/KG	12/01/2022	DLC
Chloroethane	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
Carbon Tetrachloride	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
Carbon Disulfide	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
Acetone	EPA-8260	U	50	1	UG/KG	12/01/2022	DLC
1,1-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
Methylene Chloride	EPA-8260	U	1.6	1	UG/KG	12/01/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
1,1-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
2-Butanone	EPA-8260	U	50	1	UG/KG	12/01/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
Chloroform	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
1,2-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
Benzene	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
Trichloroethene	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
1,2-Dichloropropane	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	50	1	UG/KG	12/01/2022	DLC
Toluene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
2-Hexanone	EPA-8260	U	50	1	UG/KG	12/01/2022	DLC
Tetrachloroethylene	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	12/01/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
Ethylbenzene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
Isopropylbenzene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	1.5	1	UG/KG	12/01/2022	DLC
N-Propyl Benzene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
S-Butyl Benzene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
P-Isopropyltoluene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
Naphthalene	EPA-8260	U	10	1	UG/KG	12/01/2022	DLC
Xylenes	EPA-8260	U	20	1	UG/KG	12/01/2022	DLC

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
1,2-Dichloroethane-d4	EPA-8260	94.4	12/01/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT: Landau Associates, Inc. DATE: 12/7/2022
155 NE 100th St, Ste 302 ALS JOB#: EV22110169
Seattle, WA 98125 ALS SAMPLE#: EV22110169-01
CLIENT CONTACT: Stephanie Renando DATE RECEIVED: 11/30/2022
CLIENT PROJECT: TECT RI - 222057.040.043 COLLECTION DATE: 11/29/2022 6:30:00 PM
CLIENT SAMPLE ID RISB-78-(29-30') WDOE ACCREDITATION: C601

SAMPLE DATA RESULTS

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
Toluene-d8	EPA-8260	107	12/01/2022	DLC
4-Bromofluorobenzene	EPA-8260	86.3	12/01/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/7/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22110169
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22110169-02
CLIENT SAMPLE ID	Trip Blanks	DATE RECEIVED:	11/30/2022
		COLLECTION DATE:	11/29/2022 2:00:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
Vinyl Chloride	EPA-8260	U	0.020	1	UG/L	12/01/2022	DLC
Chloroethane	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
Carbon Tetrachloride	EPA-8260	U	0.50	1	UG/L	12/01/2022	DLC
Carbon Disulfide	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
Acetone	EPA-8260	U	25	1	UG/L	12/01/2022	DLC
1,1-Dichloroethene	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
Methylene Chloride	EPA-8260	U	5.0	1	UG/L	12/01/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
1,1-Dichloroethane	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
2-Butanone	EPA-8260	U	10	1	UG/L	12/01/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
Chloroform	EPA-8260	U	0.50	1	UG/L	12/01/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
1,2-Dichloroethane	EPA-8260	U	0.020	1	UG/L	12/01/2022	DLC
Benzene	EPA-8260	U	0.50	1	UG/L	12/01/2022	DLC
Trichloroethene	EPA-8260	U	0.50	1	UG/L	12/01/2022	DLC
1,2-Dichloropropane	EPA-8260	U	0.50	1	UG/L	12/01/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	10	1	UG/L	12/01/2022	DLC
Toluene	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	0.50	1	UG/L	12/01/2022	DLC
2-Hexanone	EPA-8260	U	10	1	UG/L	12/01/2022	DLC
Tetrachloroethylene	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
1,2-Dibromoethane	EPA-8260	U	0.010	1	UG/L	12/01/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	0.50	1	UG/L	12/01/2022	DLC
Ethylbenzene	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
Isopropylbenzene	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	0.50	1	UG/L	12/01/2022	DLC
N-Propyl Benzene	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
S-Butyl Benzene	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
P-Isopropyltoluene	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
Naphthalene	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC
Xylenes	EPA-8260	U	2.0	1	UG/L	12/01/2022	DLC

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
1,2-Dichloroethane-d4	EPA-8260	101	12/01/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT: Landau Associates, Inc. DATE: 12/7/2022
155 NE 100th St, Ste 302 ALS JOB#: EV22110169
Seattle, WA 98125 ALS SAMPLE#: EV22110169-02
CLIENT CONTACT: Stephanie Renando DATE RECEIVED: 11/30/2022
CLIENT PROJECT: TECT RI - 222057.040.043 COLLECTION DATE: 11/29/2022 2:00:00 AM
CLIENT SAMPLE ID: Trip Blanks WDOE ACCREDITATION: C601

SAMPLE DATA RESULTS

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
Toluene-d8	EPA-8260	101	12/01/2022	DLC
4-Bromofluorobenzene	EPA-8260	98.7	12/01/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/7/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110169
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY BLANK RESULTS

MB-120122S - Batch 186886 - Soil by EPA-8260

ANALYTE	METHOD	RESULTS	UNITS	REPORTING	ANALYSIS	ANALYSIS
				LIMITS	DATE	BY
Vinyl Chloride	EPA-8260	U	UG/KG	0.050	12/01/2022	DLC
Chloroethane	EPA-8260	U	UG/KG	10	12/01/2022	DLC
Carbon Tetrachloride	EPA-8260	U	UG/KG	1.5	12/01/2022	DLC
Carbon Disulfide	EPA-8260	U	UG/KG	10	12/01/2022	DLC
Acetone	EPA-8260	U	UG/KG	50	12/01/2022	DLC
1,1-Dichloroethene	EPA-8260	U	UG/KG	1.5	12/01/2022	DLC
Methylene Chloride	EPA-8260	U	UG/KG	2.3	12/01/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	UG/KG	1.5	12/01/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	UG/KG	10	12/01/2022	DLC
1,1-Dichloroethane	EPA-8260	U	UG/KG	1.5	12/01/2022	DLC
2-Butanone	EPA-8260	U	UG/KG	50	12/01/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	UG/KG	1.5	12/01/2022	DLC
Chloroform	EPA-8260	U	UG/KG	1.5	12/01/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	UG/KG	10	12/01/2022	DLC
1,2-Dichloroethane	EPA-8260	U	UG/KG	1.5	12/01/2022	DLC
Benzene	EPA-8260	U	UG/KG	1.5	12/01/2022	DLC
Trichloroethene	EPA-8260	U	UG/KG	1.5	12/01/2022	DLC
1,2-Dichloropropane	EPA-8260	U	UG/KG	1.5	12/01/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	UG/KG	50	12/01/2022	DLC
Toluene	EPA-8260	U	UG/KG	10	12/01/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	UG/KG	1.5	12/01/2022	DLC
2-Hexanone	EPA-8260	U	UG/KG	50	12/01/2022	DLC
Tetrachloroethylene	EPA-8260	U	UG/KG	1.5	12/01/2022	DLC
1,2-Dibromoethane	EPA-8260	U	UG/KG	5.0	12/01/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	UG/KG	10	12/01/2022	DLC
Ethylbenzene	EPA-8260	U	UG/KG	10	12/01/2022	DLC
Isopropylbenzene	EPA-8260	U	UG/KG	10	12/01/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	UG/KG	1.5	12/01/2022	DLC
N-Propyl Benzene	EPA-8260	U	UG/KG	10	12/01/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	UG/KG	10	12/01/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	UG/KG	10	12/01/2022	DLC
S-Butyl Benzene	EPA-8260	U	UG/KG	10	12/01/2022	DLC
P-Isopropyltoluene	EPA-8260	U	UG/KG	10	12/01/2022	DLC
Naphthalene	EPA-8260	U	UG/KG	10	12/01/2022	DLC
Xylenes	EPA-8260	U	UG/KG	20	12/01/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/7/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110169
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY BLANK RESULTS

MB-113022W - Batch 187011 - Water by EPA-8260

ANALYTE	METHOD	RESULTS	UNITS	REPORTING	ANALYSIS	ANALYSIS
				LIMITS	DATE	BY
Vinyl Chloride	EPA-8260	U	UG/L	0.020	11/30/2022	DLC
Chloroethane	EPA-8260	U	UG/L	2.0	11/30/2022	DLC
Carbon Tetrachloride	EPA-8260	U	UG/L	0.50	11/30/2022	DLC
Carbon Disulfide	EPA-8260	U	UG/L	2.0	11/30/2022	DLC
Acetone	EPA-8260	U	UG/L	25	11/30/2022	DLC
1,1-Dichloroethene	EPA-8260	U	UG/L	2.0	11/30/2022	DLC
Methylene Chloride	EPA-8260	U	UG/L	5.0	11/30/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	UG/L	2.0	11/30/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	UG/L	2.0	11/30/2022	DLC
1,1-Dichloroethane	EPA-8260	U	UG/L	2.0	11/30/2022	DLC
2-Butanone	EPA-8260	U	UG/L	10	11/30/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	UG/L	2.0	11/30/2022	DLC
Chloroform	EPA-8260	U	UG/L	0.50	11/30/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	UG/L	2.0	11/30/2022	DLC
1,2-Dichloroethane	EPA-8260	U	UG/L	0.020	11/30/2022	DLC
Benzene	EPA-8260	U	UG/L	0.50	11/30/2022	DLC
Trichloroethene	EPA-8260	U	UG/L	0.50	11/30/2022	DLC
1,2-Dichloropropane	EPA-8260	U	UG/L	0.50	11/30/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	UG/L	10	11/30/2022	DLC
Toluene	EPA-8260	U	UG/L	2.0	11/30/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	UG/L	0.50	11/30/2022	DLC
2-Hexanone	EPA-8260	U	UG/L	10	11/30/2022	DLC
Tetrachloroethylene	EPA-8260	U	UG/L	2.0	11/30/2022	DLC
1,2-Dibromoethane	EPA-8260	U	UG/L	0.010	11/30/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	UG/L	0.50	11/30/2022	DLC
Ethylbenzene	EPA-8260	U	UG/L	2.0	11/30/2022	DLC
Isopropylbenzene	EPA-8260	U	UG/L	2.0	11/30/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	UG/L	0.50	11/30/2022	DLC
N-Propyl Benzene	EPA-8260	U	UG/L	2.0	11/30/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	UG/L	2.0	11/30/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	UG/L	2.0	11/30/2022	DLC
S-Butyl Benzene	EPA-8260	U	UG/L	2.0	11/30/2022	DLC
P-Isopropyltoluene	EPA-8260	U	UG/L	2.0	11/30/2022	DLC
Naphthalene	EPA-8260	U	UG/L	2.0	11/30/2022	DLC
Xylenes	EPA-8260	U	UG/L	2.0	11/30/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/7/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110169
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 186886 - Soil by EPA-8260

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Vinyl Chloride - BS	EPA-8260	116			50	150	12/01/2022	DLC
Vinyl Chloride - BSD	EPA-8260	102	13		50	150	12/02/2022	DLC
Chloroethane - BS	EPA-8260	113			50	150	12/01/2022	DLC
Chloroethane - BSD	EPA-8260	103	10		50	150	12/02/2022	DLC
Carbon Tetrachloride - BS	EPA-8260	94.0			50	150	12/01/2022	DLC
Carbon Tetrachloride - BSD	EPA-8260	90.6	4		50	150	12/02/2022	DLC
Carbon Disulfide - BS	EPA-8260	109			50	150	12/01/2022	DLC
Carbon Disulfide - BSD	EPA-8260	97.9	10		50	150	12/02/2022	DLC
Acetone - BS	EPA-8260	84.6			50	150	12/01/2022	DLC
Acetone - BSD	EPA-8260	77.8	8		50	150	12/02/2022	DLC
1,1-Dichloroethene - BS	EPA-8260	106			70	130	12/01/2022	DLC
1,1-Dichloroethene - BSD	EPA-8260	96.5	10		70	130	12/02/2022	DLC
Methylene Chloride - BS	EPA-8260	114			50	150	12/01/2022	DLC
Methylene Chloride - BSD	EPA-8260	107	6		50	150	12/02/2022	DLC
Methyl T-Butyl Ether - BS	EPA-8260	113			50	150	12/01/2022	DLC
Methyl T-Butyl Ether - BSD	EPA-8260	109	4		50	150	12/02/2022	DLC
Trans-1,2-Dichloroethene - BS	EPA-8260	101			50	150	12/01/2022	DLC
Trans-1,2-Dichloroethene - BSD	EPA-8260	92.1	9		50	150	12/02/2022	DLC
1,1-Dichloroethane - BS	EPA-8260	111			50	150	12/01/2022	DLC
1,1-Dichloroethane - BSD	EPA-8260	99.7	11		50	150	12/02/2022	DLC
2-Butanone - BS	EPA-8260	66.6			50	150	12/01/2022	DLC
2-Butanone - BSD	EPA-8260	62.9	6		50	150	12/02/2022	DLC
Cis-1,2-Dichloroethene - BS	EPA-8260	110			50	150	12/01/2022	DLC
Cis-1,2-Dichloroethene - BSD	EPA-8260	103	7		50	150	12/02/2022	DLC
Chloroform - BS	EPA-8260	107			50	150	12/01/2022	DLC
Chloroform - BSD	EPA-8260	101	6		50	150	12/02/2022	DLC
1,1,1-Trichloroethane - BS	EPA-8260	107			50	150	12/01/2022	DLC
1,1,1-Trichloroethane - BSD	EPA-8260	102	5		50	150	12/02/2022	DLC
1,2-Dichloroethane - BS	EPA-8260	99.9			50	150	12/01/2022	DLC
1,2-Dichloroethane - BSD	EPA-8260	98.0	2		50	150	12/02/2022	DLC
Benzene - BS	EPA-8260	98.7			75	138	12/01/2022	DLC
Benzene - BSD	EPA-8260	96.8	2		75	138	12/02/2022	DLC
Trichloroethene - BS	EPA-8260	98.5			75	136	12/01/2022	DLC
Trichloroethene - BSD	EPA-8260	96.0	2		75	136	12/02/2022	DLC
1,2-Dichloropropane - BS	EPA-8260	105			50	150	12/01/2022	DLC
1,2-Dichloropropane - BSD	EPA-8260	104	2		50	150	12/02/2022	DLC
4-Methyl-2-Pentanone - BS	EPA-8260	86.9			50	150	12/01/2022	DLC
4-Methyl-2-Pentanone - BSD	EPA-8260	88.3	2		50	150	12/02/2022	DLC
Toluene - BS	EPA-8260	93.1			71.6	122.1	12/01/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/7/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110169
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Toluene - BSD	EPA-8260	92.6	1		71.6	122.1	12/02/2022	DLC
1,1,2-Trichloroethane - BS	EPA-8260	106			50	150	12/01/2022	DLC
1,1,2-Trichloroethane - BSD	EPA-8260	107	0		50	150	12/02/2022	DLC
2-Hexanone - BS	EPA-8260	92.1			50	150	12/01/2022	DLC
2-Hexanone - BSD	EPA-8260	91.3	1		50	150	12/02/2022	DLC
Tetrachloroethylene - BS	EPA-8260	101			50	150	12/01/2022	DLC
Tetrachloroethylene - BSD	EPA-8260	105	4		50	150	12/02/2022	DLC
1,2-Dibromoethane - BS	EPA-8260	113			50	150	12/01/2022	DLC
1,2-Dibromoethane - BSD	EPA-8260	110	3		50	150	12/02/2022	DLC
1,1,1,2-Tetrachloroethane - BS	EPA-8260	118			50	150	12/01/2022	DLC
1,1,1,2-Tetrachloroethane - BSD	EPA-8260	113	4		50	150	12/02/2022	DLC
Ethylbenzene - BS	EPA-8260	104			50	150	12/01/2022	DLC
Ethylbenzene - BSD	EPA-8260	99.8	5		50	150	12/02/2022	DLC
Isopropylbenzene - BS	EPA-8260	96.3			50	150	12/01/2022	DLC
Isopropylbenzene - BSD	EPA-8260	93.6	3		50	150	12/02/2022	DLC
1,1,2,2-Tetrachloroethane - BS	EPA-8260	85.4			50	150	12/01/2022	DLC
1,1,2,2-Tetrachloroethane - BSD	EPA-8260	85.8	0		50	150	12/02/2022	DLC
N-Propyl Benzene - BS	EPA-8260	87.4			50	150	12/01/2022	DLC
N-Propyl Benzene - BSD	EPA-8260	85.5	2		50	150	12/02/2022	DLC
1,3,5-Trimethylbenzene - BS	EPA-8260	92.2			50	150	12/01/2022	DLC
1,3,5-Trimethylbenzene - BSD	EPA-8260	91.9	0		50	150	12/02/2022	DLC
1,2,4-Trimethylbenzene - BS	EPA-8260	86.8			50	150	12/01/2022	DLC
1,2,4-Trimethylbenzene - BSD	EPA-8260	85.1	2		50	150	12/02/2022	DLC
S-Butyl Benzene - BS	EPA-8260	87.4			50	150	12/01/2022	DLC
S-Butyl Benzene - BSD	EPA-8260	88.1	1		50	150	12/02/2022	DLC
P-Isopropyltoluene - BS	EPA-8260	87.7			50	150	12/01/2022	DLC
P-Isopropyltoluene - BSD	EPA-8260	87.6	0		50	150	12/02/2022	DLC
Naphthalene - BS	EPA-8260	89.4			50	150	12/01/2022	DLC
Naphthalene - BSD	EPA-8260	92.8	4		50	150	12/02/2022	DLC
Xylenes - BS	EPA-8260	108			50	150	12/01/2022	DLC
Xylenes - BSD	EPA-8260	106	2		50	150	12/02/2022	DLC

ALS Test Batch ID: 187011 - Water by EPA-8260

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Vinyl Chloride - BS	EPA-8260	121			50	150	11/30/2022	DLC
Vinyl Chloride - BSD	EPA-8260	113	8		50	150	11/30/2022	DLC
Chloroethane - BS	EPA-8260	109			50	150	11/30/2022	DLC
Chloroethane - BSD	EPA-8260	102	6		50	150	11/30/2022	DLC
Carbon Tetrachloride - BS	EPA-8260	111			50	150	11/30/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/7/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110169
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Carbon Tetrachloride - BSD	EPA-8260	105	5		50	150	11/30/2022	DLC
Carbon Disulfide - BS	EPA-8260	114			50	150	11/30/2022	DLC
Carbon Disulfide - BSD	EPA-8260	108	5		50	150	11/30/2022	DLC
Acetone - BS	EPA-8260	89.9			50	150	11/30/2022	DLC
Acetone - BSD	EPA-8260	88.8	1		50	150	11/30/2022	DLC
1,1-Dichloroethene - BS	EPA-8260	115			72.5	136	11/30/2022	DLC
1,1-Dichloroethene - BSD	EPA-8260	109	5		72.5	136	11/30/2022	DLC
Methylene Chloride - BS	EPA-8260	97.2			50	150	11/30/2022	DLC
Methylene Chloride - BSD	EPA-8260	94.3	3		50	150	11/30/2022	DLC
Methyl T-Butyl Ether - BS	EPA-8260	103			50	150	11/30/2022	DLC
Methyl T-Butyl Ether - BSD	EPA-8260	100	3		50	150	11/30/2022	DLC
Trans-1,2-Dichloroethene - BS	EPA-8260	106			50	150	11/30/2022	DLC
Trans-1,2-Dichloroethene - BSD	EPA-8260	101	5		50	150	11/30/2022	DLC
1,1-Dichloroethane - BS	EPA-8260	105			50	150	11/30/2022	DLC
1,1-Dichloroethane - BSD	EPA-8260	100	5		50	150	11/30/2022	DLC
2-Butanone - BS	EPA-8260	107			50	150	11/30/2022	DLC
2-Butanone - BSD	EPA-8260	103	4		50	150	11/30/2022	DLC
Cis-1,2-Dichloroethene - BS	EPA-8260	104			50	150	11/30/2022	DLC
Cis-1,2-Dichloroethene - BSD	EPA-8260	100	4		50	150	11/30/2022	DLC
Chloroform - BS	EPA-8260	113			50	150	11/30/2022	DLC
Chloroform - BSD	EPA-8260	109	4		50	150	11/30/2022	DLC
1,1,1-Trichloroethane - BS	EPA-8260	109			50	150	11/30/2022	DLC
1,1,1-Trichloroethane - BSD	EPA-8260	103	5		50	150	11/30/2022	DLC
1,2-Dichloroethane - BS	EPA-8260	106			50	150	11/30/2022	DLC
1,2-Dichloroethane - BSD	EPA-8260	103	3		50	150	11/30/2022	DLC
Benzene - BS	EPA-8260	107			74.7	143	11/30/2022	DLC
Benzene - BSD	EPA-8260	102	5		74.7	143	11/30/2022	DLC
Trichloroethene - BS	EPA-8260	109			74.4	141	11/30/2022	DLC
Trichloroethene - BSD	EPA-8260	104	5		74.4	141	11/30/2022	DLC
1,2-Dichloropropane - BS	EPA-8260	105			50	150	11/30/2022	DLC
1,2-Dichloropropane - BSD	EPA-8260	101	4		50	150	11/30/2022	DLC
4-Methyl-2-Pentanone - BS	EPA-8260	107			50	150	11/30/2022	DLC
4-Methyl-2-Pentanone - BSD	EPA-8260	102	4		50	150	11/30/2022	DLC
Toluene - BS	EPA-8260	104			71.7	139	11/30/2022	DLC
Toluene - BSD	EPA-8260	98.9	5		71.7	139	11/30/2022	DLC
1,1,2-Trichloroethane - BS	EPA-8260	104			50	150	11/30/2022	DLC
1,1,2-Trichloroethane - BSD	EPA-8260	101	2		50	150	11/30/2022	DLC
2-Hexanone - BS	EPA-8260	105			50	150	11/30/2022	DLC
2-Hexanone - BSD	EPA-8260	103	2		50	150	11/30/2022	DLC
Tetrachloroethylene - BS	EPA-8260	104			50	150	11/30/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/7/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22110169
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Tetrachloroethylene - BSD	EPA-8260	96.8	7		50	150	11/30/2022	DLC
1,2-Dibromoethane - BS	EPA-8260	106			50	150	11/30/2022	DLC
1,2-Dibromoethane - BSD	EPA-8260	105	2		50	150	11/30/2022	DLC
1,1,1,2-Tetrachloroethane - BS	EPA-8260	101			50	150	11/30/2022	DLC
1,1,1,2-Tetrachloroethane - BSD	EPA-8260	99.1	2		50	150	11/30/2022	DLC
Ethylbenzene - BS	EPA-8260	103			50	150	11/30/2022	DLC
Ethylbenzene - BSD	EPA-8260	99.7	3		50	150	11/30/2022	DLC
Isopropylbenzene - BS	EPA-8260	104			50	150	11/30/2022	DLC
Isopropylbenzene - BSD	EPA-8260	100	4		50	150	11/30/2022	DLC
1,1,2,2-Tetrachloroethane - BS	EPA-8260	96.1			50	150	11/30/2022	DLC
1,1,2,2-Tetrachloroethane - BSD	EPA-8260	97.0	1		50	150	11/30/2022	DLC
N-Propyl Benzene - BS	EPA-8260	98.5			50	150	11/30/2022	DLC
N-Propyl Benzene - BSD	EPA-8260	98.5	0		50	150	11/30/2022	DLC
1,3,5-Trimethylbenzene - BS	EPA-8260	108			50	150	11/30/2022	DLC
1,3,5-Trimethylbenzene - BSD	EPA-8260	108	0		50	150	11/30/2022	DLC
1,2,4-Trimethylbenzene - BS	EPA-8260	111			50	150	11/30/2022	DLC
1,2,4-Trimethylbenzene - BSD	EPA-8260	111	1		50	150	11/30/2022	DLC
S-Butyl Benzene - BS	EPA-8260	99.7			50	150	11/30/2022	DLC
S-Butyl Benzene - BSD	EPA-8260	99.5	0		50	150	11/30/2022	DLC
P-Isopropyltoluene - BS	EPA-8260	106			50	150	11/30/2022	DLC
P-Isopropyltoluene - BSD	EPA-8260	105	0		50	150	11/30/2022	DLC
Naphthalene - BS	EPA-8260	102			50	150	11/30/2022	DLC
Naphthalene - BSD	EPA-8260	109	7		50	150	11/30/2022	DLC
Xylenes - BS	EPA-8260	102			50	150	11/30/2022	DLC
Xylenes - BSD	EPA-8260	98.8	3		50	150	11/30/2022	DLC

APPROVED BY

Laboratory Director



Chain-of-Custody Record

EV22110169

- North Seattle (206) 631-8660
- Tacoma (253) 926-2493
- Olympia (360) 791-3178
- Spokane (509) 327-9737
- Portland (503) 542-1080
-

Date 11/29/22
Page 1 of 1

Turnaround Time: 3
Standard Accelerated

					Testing Parameters																
Sample I.D.	Date	Time	Matrix	No. of Containers											Observations/Comments						
RISB-78-(29-30')	11/29/22	1630	Soil	5	X																Special Handling Requirements: Shipment Method: <u>Drop off</u> Stored on ice: <u>Yes</u> / No Observations/Comments: ___ Allow water samples to settle, collect aliquot from clear portion <input type="checkbox"/> ___ NWTPH-Dx - Acid wash cleanup <input type="checkbox"/> - Silica gel cleanup <input type="checkbox"/> ___ Dissolved metal samples were field filtered Other _____
Trip Blanks	-	-	AQ	2	X																

Relinquished by
Signature [Signature]
Printed Name Adam Torosik
Company LA
Date 11/30/22 Time 9:41

Received by
Signature [Signature]
Printed Name MEg Houghton
Company ALS
Date 11-30-22 Time 9:40

Relinquished by
Signature _____
Printed Name _____
Company _____
Date _____ Time _____

Received by
Signature _____
Printed Name _____
Company _____
Date _____ Time _____

ALS ENVIRONMENTAL

Sample Receiving Checklist

Client: Landau

ALS Job #: Ev22110169

Project: TECT RI

Received Date: 11-30-22 Received Time: 9:40 By: MH

Type of shipping container: Cooler Box Other

Shipped via: FedEx Ground UPS Mail Courier Hand Delivered
FedEx Express

	<u>Yes</u>	<u>No</u>	<u>N/A</u>
Were custody seals on outside of shipping container?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
If yes, how many? _____ Where? _____			
Custody seal date: _____ Seal name: _____			

Was Chain of Custody properly filled out (ink, signed, dated, etc.)?

Did all bottles have labels?

Did all bottle labels and tags agree with Chain of Custody?

Were samples received within hold time?

Did all bottles arrive in good condition (unbroken, etc.)?

Was sufficient amount of sample sent for the tests indicated?

Was correct preservation added to samples?

If no, Sample Control added preservative to the following:

<u>Sample Number</u>	<u>Reagent</u>	<u>Analyte</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

1-5035 Low kd.

Were VOA vials checked for absence of air bubbles?

Bubbles present in sample #: none

Temperature of cooler upon receipt: 7.4°C Ice Cold Cool Ambient N/A

Explain any discrepancies: _____

Was client contacted? _____ Who was called? _____ By whom? _____ Date: _____

Outcome of call: _____



December 12, 2022

Ms. Stephanie Renando
Landau Associates, Inc.
155 NE 100th St, Ste 302
Seattle, WA 98125

Dear Ms. Renando,

On December 1st, 9 samples were received by our laboratory and assigned our laboratory project number EV22120005. The project was identified as your TECT RI - 222057.040.043. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Glen Perry
Laboratory Director



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/12/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22120005
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22120005-02
CLIENT SAMPLE ID	RISB-70-(9-10')	DATE RECEIVED:	12/01/2022
		COLLECTION DATE:	11/30/2022 11:10:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
Vinyl Chloride	EPA-8260	U	0.050	1	UG/KG	12/07/2022	DLC
Chloroethane	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Carbon Tetrachloride	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Carbon Disulfide	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Acetone	EPA-8260	U	50	1	UG/KG	12/07/2022	DLC
1,1-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Methylene Chloride	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
1,1-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
2-Butanone	EPA-8260	U	50	1	UG/KG	12/07/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Chloroform	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
1,2-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Benzene	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Trichloroethene	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
1,2-Dichloropropane	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	50	1	UG/KG	12/07/2022	DLC
Toluene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
2-Hexanone	EPA-8260	U	50	1	UG/KG	12/07/2022	DLC
Tetrachloroethylene	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	12/07/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Ethylbenzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Isopropylbenzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
N-Propyl Benzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
S-Butyl Benzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
P-Isopropyltoluene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Naphthalene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Xylenes	EPA-8260	U	20	1	UG/KG	12/07/2022	DLC

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
1,2-Dichloroethane-d4	EPA-8260	94.3	12/07/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT: Landau Associates, Inc. DATE: 12/12/2022
155 NE 100th St, Ste 302 ALS JOB#: EV22120005
Seattle, WA 98125 ALS SAMPLE#: EV22120005-02
CLIENT CONTACT: Stephanie Renando DATE RECEIVED: 12/01/2022
CLIENT PROJECT: TECT RI - 222057.040.043 COLLECTION DATE: 11/30/2022 11:10:00 AM
CLIENT SAMPLE ID RISB-70-(9-10') WDOE ACCREDITATION: C601

SAMPLE DATA RESULTS

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
Toluene-d8	EPA-8260	95.8	12/07/2022	DLC
4-Bromofluorobenzene	EPA-8260	103	12/07/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/12/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22120005
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22120005-03
CLIENT SAMPLE ID	RISB-70-(19-20')	DATE RECEIVED:	12/01/2022
		COLLECTION DATE:	11/30/2022 11:50:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS ANALYSIS	
						DATE	BY
Vinyl Chloride	EPA-8260	U	0.050	1	UG/KG	12/07/2022	DLC
Chloroethane	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Carbon Tetrachloride	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Carbon Disulfide	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Acetone	EPA-8260	U	50	1	UG/KG	12/07/2022	DLC
1,1-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Methylene Chloride	EPA-8260	U	1.7	1	UG/KG	12/07/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
1,1-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
2-Butanone	EPA-8260	U	50	1	UG/KG	12/07/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Chloroform	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
1,2-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Benzene	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Trichloroethene	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
1,2-Dichloropropane	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	50	1	UG/KG	12/07/2022	DLC
Toluene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
2-Hexanone	EPA-8260	U	50	1	UG/KG	12/07/2022	DLC
Tetrachloroethylene	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	12/07/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Ethylbenzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Isopropylbenzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
N-Propyl Benzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
S-Butyl Benzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
P-Isopropyltoluene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Naphthalene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Xylenes	EPA-8260	U	20	1	UG/KG	12/07/2022	DLC

SURROGATE	METHOD	%REC	ANALYSIS ANALYSIS	
			DATE	BY
1,2-Dichloroethane-d4	EPA-8260	96.6	12/07/2022	DLC

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/12/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22120005
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22120005-03
CLIENT SAMPLE ID	RISB-70-(19-20')	DATE RECEIVED:	12/01/2022
		COLLECTION DATE:	11/30/2022 11:50:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

SURROGATE	METHOD	%REC	ANALYSIS ANALYSIS	
			DATE	BY
Toluene-d8	EPA-8260	99.0	12/07/2022	DLC
4-Bromofluorobenzene	EPA-8260	110	12/07/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/12/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22120005
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22120005-04
CLIENT SAMPLE ID	RISB-70-GW-221130	DATE RECEIVED:	12/01/2022
		COLLECTION DATE:	11/30/2022 12:08:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS ANALYSIS	
						DATE	BY
Vinyl Chloride	EPA-8260	0.027	0.020	1	UG/L	12/07/2022	DLC
Chloroethane	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
Carbon Tetrachloride	EPA-8260	U	0.50	1	UG/L	12/07/2022	DLC
Carbon Disulfide	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
Acetone	EPA-8260	U	25	1	UG/L	12/07/2022	DLC
1,1-Dichloroethene	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
Methylene Chloride	EPA-8260	U	5.0	1	UG/L	12/07/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
1,1-Dichloroethane	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
2-Butanone	EPA-8260	U	10	1	UG/L	12/07/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
Chloroform	EPA-8260	U	0.50	1	UG/L	12/07/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
1,2-Dichloroethane	EPA-8260	U	0.020	1	UG/L	12/07/2022	DLC
Benzene	EPA-8260	U	0.50	1	UG/L	12/07/2022	DLC
Trichloroethene	EPA-8260	U	0.50	1	UG/L	12/07/2022	DLC
1,2-Dichloropropane	EPA-8260	U	0.50	1	UG/L	12/07/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	10	1	UG/L	12/07/2022	DLC
Toluene	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	0.50	1	UG/L	12/07/2022	DLC
2-Hexanone	EPA-8260	U	10	1	UG/L	12/07/2022	DLC
Tetrachloroethylene	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
1,2-Dibromoethane	EPA-8260	U	0.010	1	UG/L	12/07/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	0.50	1	UG/L	12/07/2022	DLC
Ethylbenzene	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
Isopropylbenzene	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	0.50	1	UG/L	12/07/2022	DLC
N-Propyl Benzene	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
S-Butyl Benzene	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
P-Isopropyltoluene	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
Naphthalene	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
Xylenes	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC

SURROGATE	METHOD	%REC	ANALYSIS ANALYSIS	
			DATE	BY
1,2-Dichloroethane-d4	EPA-8260	101	12/07/2022	DLC

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/12/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22120005
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22120005-04
CLIENT SAMPLE ID	RISB-70-GW-221130	DATE RECEIVED:	12/01/2022
		COLLECTION DATE:	11/30/2022 12:08:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

SURROGATE	METHOD	%REC	ANALYSIS ANALYSIS	
			DATE	BY
Toluene-d8	EPA-8260	100	12/07/2022	DLC
4-Bromofluorobenzene	EPA-8260	99.4	12/07/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/12/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22120005
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22120005-05
CLIENT SAMPLE ID	RISB-70-(29-30')	DATE RECEIVED:	12/01/2022
		COLLECTION DATE:	11/30/2022 2:30:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
Vinyl Chloride	EPA-8260	U	0.050	1	UG/KG	12/07/2022	DLC
Chloroethane	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Carbon Tetrachloride	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Carbon Disulfide	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Acetone	EPA-8260	U	50	1	UG/KG	12/07/2022	DLC
1,1-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Methylene Chloride	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
1,1-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
2-Butanone	EPA-8260	U	50	1	UG/KG	12/07/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Chloroform	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
1,2-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Benzene	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Trichloroethene	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
1,2-Dichloropropane	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	50	1	UG/KG	12/07/2022	DLC
Toluene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
2-Hexanone	EPA-8260	U	50	1	UG/KG	12/07/2022	DLC
Tetrachloroethylene	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	12/07/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Ethylbenzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Isopropylbenzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
N-Propyl Benzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
S-Butyl Benzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
P-Isopropyltoluene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Naphthalene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Xylenes	EPA-8260	U	20	1	UG/KG	12/07/2022	DLC

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
1,2-Dichloroethane-d4	EPA-8260	98.9	12/07/2022	DLC

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/12/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22120005
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22120005-05
CLIENT SAMPLE ID	RISB-70-(29-30')	DATE RECEIVED:	12/01/2022
		COLLECTION DATE:	11/30/2022 2:30:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

SURROGATE	METHOD	%REC	ANALYSIS ANALYSIS	
			DATE	BY
Toluene-d8	EPA-8260	99.6	12/07/2022	DLC
4-Bromofluorobenzene	EPA-8260	107	12/07/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/12/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22120005
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22120005-06
CLIENT SAMPLE ID	RISB-69-(9-10')	DATE RECEIVED:	12/01/2022
		COLLECTION DATE:	12/1/2022 9:40:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
Vinyl Chloride	EPA-8260	U	0.050	1	UG/KG	12/07/2022	DLC
Chloroethane	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Carbon Tetrachloride	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Carbon Disulfide	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Acetone	EPA-8260	U	50	1	UG/KG	12/07/2022	DLC
1,1-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Methylene Chloride	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
1,1-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
2-Butanone	EPA-8260	U	50	1	UG/KG	12/07/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Chloroform	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
1,2-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Benzene	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Trichloroethene	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
1,2-Dichloropropane	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	50	1	UG/KG	12/07/2022	DLC
Toluene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
2-Hexanone	EPA-8260	U	50	1	UG/KG	12/07/2022	DLC
Tetrachloroethylene	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	12/07/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Ethylbenzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Isopropylbenzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
N-Propyl Benzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
S-Butyl Benzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
P-Isopropyltoluene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Naphthalene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Xylenes	EPA-8260	U	20	1	UG/KG	12/07/2022	DLC

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
1,2-Dichloroethane-d4	EPA-8260	96.1	12/07/2022	DLC

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/12/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22120005
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22120005-06
CLIENT SAMPLE ID	RISB-69-(9-10')	DATE RECEIVED:	12/01/2022
		COLLECTION DATE:	12/1/2022 9:40:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

SURROGATE	METHOD	%REC	ANALYSIS ANALYSIS	
			DATE	BY
Toluene-d8	EPA-8260	95.3	12/07/2022	DLC
4-Bromofluorobenzene	EPA-8260	107	12/07/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/12/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22120005
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22120005-07
CLIENT SAMPLE ID	RISB-69-(19-20')	DATE RECEIVED:	12/01/2022
		COLLECTION DATE:	12/1/2022 10:30:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS ANALYSIS	
						DATE	BY
Vinyl Chloride	EPA-8260	U	0.050	1	UG/KG	12/07/2022	DLC
Chloroethane	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Carbon Tetrachloride	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Carbon Disulfide	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Acetone	EPA-8260	U	50	1	UG/KG	12/07/2022	DLC
1,1-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Methylene Chloride	EPA-8260	2.5	1.7	1	UG/KG	12/07/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
1,1-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
2-Butanone	EPA-8260	U	50	1	UG/KG	12/07/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Chloroform	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
1,2-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Benzene	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Trichloroethene	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
1,2-Dichloropropane	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	50	1	UG/KG	12/07/2022	DLC
Toluene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
2-Hexanone	EPA-8260	U	50	1	UG/KG	12/07/2022	DLC
Tetrachloroethylene	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	12/07/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Ethylbenzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Isopropylbenzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
N-Propyl Benzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
S-Butyl Benzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
P-Isopropyltoluene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Naphthalene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Xylenes	EPA-8260	U	20	1	UG/KG	12/07/2022	DLC

SURROGATE	METHOD	%REC	ANALYSIS ANALYSIS	
			DATE	BY
1,2-Dichloroethane-d4	EPA-8260	98.6	12/07/2022	DLC

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/12/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22120005
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22120005-07
CLIENT SAMPLE ID	RISB-69-(19-20')	DATE RECEIVED:	12/01/2022
		COLLECTION DATE:	12/1/2022 10:30:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
Toluene-d8	EPA-8260	96.9	12/07/2022	DLC
4-Bromofluorobenzene	EPA-8260	105	12/07/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/12/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22120005
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22120005-08
CLIENT SAMPLE ID	RISB-69-GW-221201	DATE RECEIVED:	12/01/2022
		COLLECTION DATE:	12/1/2022 10:30:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
Vinyl Chloride	EPA-8260	0.13	0.020	1	UG/L	12/07/2022	DLC
Chloroethane	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
Carbon Tetrachloride	EPA-8260	U	0.50	1	UG/L	12/07/2022	DLC
Carbon Disulfide	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
Acetone	EPA-8260	U	25	1	UG/L	12/07/2022	DLC
1,1-Dichloroethene	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
Methylene Chloride	EPA-8260	U	5.0	1	UG/L	12/07/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
1,1-Dichloroethane	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
2-Butanone	EPA-8260	U	10	1	UG/L	12/07/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	7.8	2.0	1	UG/L	12/07/2022	DLC
Chloroform	EPA-8260	U	0.50	1	UG/L	12/07/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
1,2-Dichloroethane	EPA-8260	U	0.020	1	UG/L	12/07/2022	DLC
Benzene	EPA-8260	U	0.50	1	UG/L	12/07/2022	DLC
Trichloroethene	EPA-8260	0.68	0.50	1	UG/L	12/07/2022	DLC
1,2-Dichloropropane	EPA-8260	U	0.50	1	UG/L	12/07/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	10	1	UG/L	12/07/2022	DLC
Toluene	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	0.50	1	UG/L	12/07/2022	DLC
2-Hexanone	EPA-8260	U	10	1	UG/L	12/07/2022	DLC
Tetrachloroethylene	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
1,2-Dibromoethane	EPA-8260	U	0.010	1	UG/L	12/07/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	0.50	1	UG/L	12/07/2022	DLC
Ethylbenzene	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
Isopropylbenzene	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	0.50	1	UG/L	12/07/2022	DLC
N-Propyl Benzene	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
S-Butyl Benzene	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
P-Isopropyltoluene	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
Naphthalene	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
Xylenes	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
1,4-Dioxane	EPA-8270M	0.60	0.40	1	UG/L	12/06/2022	OSE

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
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CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/12/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22120005
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22120005-08
CLIENT SAMPLE ID	RISB-69-GW-221201	DATE RECEIVED:	12/01/2022
		COLLECTION DATE:	12/1/2022 10:30:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

SURROGATE	METHOD	%REC	ANALYSIS ANALYSIS	
			DATE	BY
1,2-Dichloroethane-d4	EPA-8260	100	12/07/2022	DLC
Toluene-d8	EPA-8260	102	12/07/2022	DLC
4-Bromofluorobenzene	EPA-8260	98.9	12/07/2022	DLC
d8-1,4-Dioxane	EPA-8270M	64.0	12/06/2022	OSE

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/12/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22120005
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22120005-09
CLIENT SAMPLE ID	RISB-69-(29-30')	DATE RECEIVED:	12/01/2022
		COLLECTION DATE:	12/1/2022 12:50:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
Vinyl Chloride	EPA-8260	U	0.050	1	UG/KG	12/07/2022	DLC
Chloroethane	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Carbon Tetrachloride	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Carbon Disulfide	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Acetone	EPA-8260	U	50	1	UG/KG	12/07/2022	DLC
1,1-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Methylene Chloride	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
1,1-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
2-Butanone	EPA-8260	U	50	1	UG/KG	12/07/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Chloroform	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
1,2-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Benzene	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Trichloroethene	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
1,2-Dichloropropane	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	50	1	UG/KG	12/07/2022	DLC
Toluene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
2-Hexanone	EPA-8260	U	50	1	UG/KG	12/07/2022	DLC
Tetrachloroethylene	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	12/07/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Ethylbenzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Isopropylbenzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
N-Propyl Benzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
S-Butyl Benzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
P-Isopropyltoluene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Naphthalene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Xylenes	EPA-8260	U	20	1	UG/KG	12/07/2022	DLC

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
1,2-Dichloroethane-d4	EPA-8260	98.9	12/07/2022	DLC

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/12/2022
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22120005
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22120005-09
CLIENT SAMPLE ID	RISB-69-(29-30')	DATE RECEIVED:	12/01/2022
		COLLECTION DATE:	12/1/2022 12:50:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
Toluene-d8	EPA-8260	95.3	12/07/2022	DLC
4-Bromofluorobenzene	EPA-8260	104	12/07/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/12/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22120005
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY BLANK RESULTS

MB-120722S - Batch 187271 - Soil by EPA-8260

ANALYTE	METHOD	RESULTS	UNITS	REPORTING	ANALYSIS	ANALYSIS
				LIMITS	DATE	BY
Vinyl Chloride	EPA-8260	U	UG/KG	0.050	12/07/2022	DLC
Chloroethane	EPA-8260	U	UG/KG	10	12/07/2022	DLC
Carbon Tetrachloride	EPA-8260	U	UG/KG	1.5	12/07/2022	DLC
Carbon Disulfide	EPA-8260	U	UG/KG	10	12/07/2022	DLC
Acetone	EPA-8260	U	UG/KG	50	12/07/2022	DLC
1,1-Dichloroethene	EPA-8260	U	UG/KG	1.5	12/07/2022	DLC
Methylene Chloride	EPA-8260	U	UG/KG	2.3	12/07/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	UG/KG	1.5	12/07/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	UG/KG	10	12/07/2022	DLC
1,1-Dichloroethane	EPA-8260	U	UG/KG	1.5	12/07/2022	DLC
2-Butanone	EPA-8260	U	UG/KG	50	12/07/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	UG/KG	1.5	12/07/2022	DLC
Chloroform	EPA-8260	U	UG/KG	1.5	12/07/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	UG/KG	10	12/07/2022	DLC
1,2-Dichloroethane	EPA-8260	U	UG/KG	1.5	12/07/2022	DLC
Benzene	EPA-8260	U	UG/KG	1.5	12/07/2022	DLC
Trichloroethene	EPA-8260	U	UG/KG	1.5	12/07/2022	DLC
1,2-Dichloropropane	EPA-8260	U	UG/KG	1.5	12/07/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	UG/KG	50	12/07/2022	DLC
Toluene	EPA-8260	U	UG/KG	10	12/07/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	UG/KG	1.5	12/07/2022	DLC
2-Hexanone	EPA-8260	U	UG/KG	50	12/07/2022	DLC
Tetrachloroethylene	EPA-8260	U	UG/KG	1.5	12/07/2022	DLC
1,2-Dibromoethane	EPA-8260	U	UG/KG	5.0	12/07/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	UG/KG	10	12/07/2022	DLC
Ethylbenzene	EPA-8260	U	UG/KG	10	12/07/2022	DLC
Isopropylbenzene	EPA-8260	U	UG/KG	10	12/07/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	UG/KG	1.5	12/07/2022	DLC
N-Propyl Benzene	EPA-8260	U	UG/KG	10	12/07/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	UG/KG	10	12/07/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	UG/KG	10	12/07/2022	DLC
S-Butyl Benzene	EPA-8260	U	UG/KG	10	12/07/2022	DLC
P-Isopropyltoluene	EPA-8260	U	UG/KG	10	12/07/2022	DLC
Naphthalene	EPA-8260	U	UG/KG	10	12/07/2022	DLC
Xylenes	EPA-8260	U	UG/KG	20	12/07/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/12/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22120005
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY BLANK RESULTS

MB-120622W - Batch 187214 - Water by EPA-8260

ANALYTE	METHOD	RESULTS	UNITS	REPORTING	ANALYSIS	ANALYSIS
				LIMITS	DATE	BY
Vinyl Chloride	EPA-8260	U	UG/L	0.020	12/07/2022	DLC
Chloroethane	EPA-8260	U	UG/L	2.0	12/07/2022	DLC
Carbon Tetrachloride	EPA-8260	U	UG/L	0.50	12/07/2022	DLC
Carbon Disulfide	EPA-8260	U	UG/L	2.0	12/07/2022	DLC
Acetone	EPA-8260	U	UG/L	25	12/07/2022	DLC
1,1-Dichloroethene	EPA-8260	U	UG/L	2.0	12/07/2022	DLC
Methylene Chloride	EPA-8260	U	UG/L	5.0	12/07/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	UG/L	2.0	12/07/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	UG/L	2.0	12/07/2022	DLC
1,1-Dichloroethane	EPA-8260	U	UG/L	2.0	12/07/2022	DLC
2-Butanone	EPA-8260	U	UG/L	10	12/07/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	UG/L	2.0	12/07/2022	DLC
Chloroform	EPA-8260	U	UG/L	0.50	12/07/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	UG/L	2.0	12/07/2022	DLC
1,2-Dichloroethane	EPA-8260	U	UG/L	0.020	12/07/2022	DLC
Benzene	EPA-8260	U	UG/L	0.50	12/07/2022	DLC
Trichloroethene	EPA-8260	U	UG/L	0.50	12/07/2022	DLC
1,2-Dichloropropane	EPA-8260	U	UG/L	0.50	12/07/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	UG/L	10	12/07/2022	DLC
Toluene	EPA-8260	U	UG/L	2.0	12/07/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	UG/L	0.50	12/07/2022	DLC
2-Hexanone	EPA-8260	U	UG/L	10	12/07/2022	DLC
Tetrachloroethylene	EPA-8260	U	UG/L	2.0	12/07/2022	DLC
1,2-Dibromoethane	EPA-8260	U	UG/L	0.010	12/07/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	UG/L	0.50	12/07/2022	DLC
Ethylbenzene	EPA-8260	U	UG/L	2.0	12/07/2022	DLC
Isopropylbenzene	EPA-8260	U	UG/L	2.0	12/07/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	UG/L	0.50	12/07/2022	DLC
N-Propyl Benzene	EPA-8260	U	UG/L	2.0	12/07/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	UG/L	2.0	12/07/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	UG/L	2.0	12/07/2022	DLC
S-Butyl Benzene	EPA-8260	U	UG/L	2.0	12/07/2022	DLC
P-Isopropyltoluene	EPA-8260	U	UG/L	2.0	12/07/2022	DLC
Naphthalene	EPA-8260	U	UG/L	2.0	12/07/2022	DLC
Xylenes	EPA-8260	U	UG/L	2.0	12/07/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT: Landau Associates, Inc. DATE: 12/12/2022
155 NE 100th St, Ste 302 ALS SDG#: EV22120005
Seattle, WA 98125 WDOE ACCREDITATION: C601
CLIENT CONTACT: Stephanie Renando
CLIENT PROJECT: TECT RI - 222057.040.043

LABORATORY BLANK RESULTS

MBLK-R423736 - Batch R423736 - Water by EPA-8270M

Table with 7 columns: ANALYTE, METHOD, RESULTS, UNITS, REPORTING LIMITS, ANALYSIS DATE, ANALYSIS BY. Row 1: 1,4-Dioxane, EPA-8270M, U, UG/L, 0.40, 12/06/2022, OSE

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/12/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22120005
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 187271 - Soil by EPA-8260

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Vinyl Chloride - BS	EPA-8260	97.8			50	150	12/07/2022	DLC
Vinyl Chloride - BSD	EPA-8260	100	3		50	150	12/07/2022	DLC
Chloroethane - BS	EPA-8260	90.2			50	150	12/07/2022	DLC
Chloroethane - BSD	EPA-8260	92.3	2		50	150	12/07/2022	DLC
Carbon Tetrachloride - BS	EPA-8260	98.1			50	150	12/07/2022	DLC
Carbon Tetrachloride - BSD	EPA-8260	98.3	0		50	150	12/07/2022	DLC
Carbon Disulfide - BS	EPA-8260	93.1			50	150	12/07/2022	DLC
Carbon Disulfide - BSD	EPA-8260	94.6	2		50	150	12/07/2022	DLC
Acetone - BS	EPA-8260	89.9			50	150	12/07/2022	DLC
Acetone - BSD	EPA-8260	121	30	SR1	50	150	12/07/2022	DLC
1,1-Dichloroethene - BS	EPA-8260	92.1			70	130	12/07/2022	DLC
1,1-Dichloroethene - BSD	EPA-8260	94.0	2		70	130	12/07/2022	DLC
Methylene Chloride - BS	EPA-8260	106			50	150	12/07/2022	DLC
Methylene Chloride - BSD	EPA-8260	111	5		50	150	12/07/2022	DLC
Methyl T-Butyl Ether - BS	EPA-8260	99.2			50	150	12/07/2022	DLC
Methyl T-Butyl Ether - BSD	EPA-8260	101	2		50	150	12/07/2022	DLC
Trans-1,2-Dichloroethene - BS	EPA-8260	96.0			50	150	12/07/2022	DLC
Trans-1,2-Dichloroethene - BSD	EPA-8260	96.9	1		50	150	12/07/2022	DLC
1,1-Dichloroethane - BS	EPA-8260	98.0			50	150	12/07/2022	DLC
1,1-Dichloroethane - BSD	EPA-8260	99.2	1		50	150	12/07/2022	DLC
2-Butanone - BS	EPA-8260	85.8			50	150	12/07/2022	DLC
2-Butanone - BSD	EPA-8260	83.5	3		50	150	12/07/2022	DLC
Cis-1,2-Dichloroethene - BS	EPA-8260	101			50	150	12/07/2022	DLC
Cis-1,2-Dichloroethene - BSD	EPA-8260	101	0		50	150	12/07/2022	DLC
Chloroform - BS	EPA-8260	92.1			50	150	12/07/2022	DLC
Chloroform - BSD	EPA-8260	93.3	1		50	150	12/07/2022	DLC
1,1,1-Trichloroethane - BS	EPA-8260	93.7			50	150	12/07/2022	DLC
1,1,1-Trichloroethane - BSD	EPA-8260	94.7	1		50	150	12/07/2022	DLC
1,2-Dichloroethane - BS	EPA-8260	97.5			50	150	12/07/2022	DLC
1,2-Dichloroethane - BSD	EPA-8260	97.0	0		50	150	12/07/2022	DLC
Benzene - BS	EPA-8260	97.5			75	138	12/07/2022	DLC
Benzene - BSD	EPA-8260	98.1	1		75	138	12/07/2022	DLC
Trichloroethene - BS	EPA-8260	98.3			75	136	12/07/2022	DLC
Trichloroethene - BSD	EPA-8260	98.8	0		75	136	12/07/2022	DLC
1,2-Dichloropropane - BS	EPA-8260	101			50	150	12/07/2022	DLC
1,2-Dichloropropane - BSD	EPA-8260	101	0		50	150	12/07/2022	DLC
4-Methyl-2-Pentanone - BS	EPA-8260	97.0			50	150	12/07/2022	DLC
4-Methyl-2-Pentanone - BSD	EPA-8260	100	3		50	150	12/07/2022	DLC
Toluene - BS	EPA-8260	94.7			71.6	122.1	12/07/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/12/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22120005
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Toluene - BSD	EPA-8260	95.5	1		71.6	122.1	12/07/2022	DLC
1,1,2-Trichloroethane - BS	EPA-8260	100			50	150	12/07/2022	DLC
1,1,2-Trichloroethane - BSD	EPA-8260	98.9	2		50	150	12/07/2022	DLC
2-Hexanone - BS	EPA-8260	96.3			50	150	12/07/2022	DLC
2-Hexanone - BSD	EPA-8260	97.3	1		50	150	12/07/2022	DLC
Tetrachloroethylene - BS	EPA-8260	96.4			50	150	12/07/2022	DLC
Tetrachloroethylene - BSD	EPA-8260	98.9	3		50	150	12/07/2022	DLC
1,2-Dibromoethane - BS	EPA-8260	101			50	150	12/07/2022	DLC
1,2-Dibromoethane - BSD	EPA-8260	101	0		50	150	12/07/2022	DLC
1,1,1,2-Tetrachloroethane - BS	EPA-8260	103			50	150	12/07/2022	DLC
1,1,1,2-Tetrachloroethane - BSD	EPA-8260	99.3	3		50	150	12/07/2022	DLC
Ethylbenzene - BS	EPA-8260	101			50	150	12/07/2022	DLC
Ethylbenzene - BSD	EPA-8260	98.4	3		50	150	12/07/2022	DLC
Isopropylbenzene - BS	EPA-8260	103			50	150	12/07/2022	DLC
Isopropylbenzene - BSD	EPA-8260	102	1		50	150	12/07/2022	DLC
1,1,2,2-Tetrachloroethane - BS	EPA-8260	91.3			50	150	12/07/2022	DLC
1,1,2,2-Tetrachloroethane - BSD	EPA-8260	96.2	5		50	150	12/07/2022	DLC
N-Propyl Benzene - BS	EPA-8260	99.6			50	150	12/07/2022	DLC
N-Propyl Benzene - BSD	EPA-8260	103	3		50	150	12/07/2022	DLC
1,3,5-Trimethylbenzene - BS	EPA-8260	101			50	150	12/07/2022	DLC
1,3,5-Trimethylbenzene - BSD	EPA-8260	103	2		50	150	12/07/2022	DLC
1,2,4-Trimethylbenzene - BS	EPA-8260	100			50	150	12/07/2022	DLC
1,2,4-Trimethylbenzene - BSD	EPA-8260	103	3		50	150	12/07/2022	DLC
S-Butyl Benzene - BS	EPA-8260	97.6			50	150	12/07/2022	DLC
S-Butyl Benzene - BSD	EPA-8260	99.9	2		50	150	12/07/2022	DLC
P-Isopropyltoluene - BS	EPA-8260	98.1			50	150	12/07/2022	DLC
P-Isopropyltoluene - BSD	EPA-8260	101	3		50	150	12/07/2022	DLC
Naphthalene - BS	EPA-8260	99.1			50	150	12/07/2022	DLC
Naphthalene - BSD	EPA-8260	106	7		50	150	12/07/2022	DLC
Xylenes - BS	EPA-8260	102			50	150	12/07/2022	DLC
Xylenes - BSD	EPA-8260	101	1		50	150	12/07/2022	DLC

SR1 - RPD outside of control limits.

ALS Test Batch ID: 187214 - Water by EPA-8260

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Vinyl Chloride - BS	EPA-8260	116			50	150	12/07/2022	DLC
Vinyl Chloride - BSD	EPA-8260	110	5		50	150	12/07/2022	DLC
Chloroethane - BS	EPA-8260	114			50	150	12/07/2022	DLC
Chloroethane - BSD	EPA-8260	109	4		50	150	12/07/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/12/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22120005
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Carbon Tetrachloride - BS	EPA-8260	121			50	150	12/07/2022	DLC
Carbon Tetrachloride - BSD	EPA-8260	116	5		50	150	12/07/2022	DLC
Carbon Disulfide - BS	EPA-8260	111			50	150	12/07/2022	DLC
Carbon Disulfide - BSD	EPA-8260	107	4		50	150	12/07/2022	DLC
Acetone - BS	EPA-8260	124			50	150	12/07/2022	DLC
Acetone - BSD	EPA-8260	111	11		50	150	12/07/2022	DLC
1,1-Dichloroethene - BS	EPA-8260	112			72.5	136	12/07/2022	DLC
1,1-Dichloroethene - BSD	EPA-8260	107	5		72.5	136	12/07/2022	DLC
Methylene Chloride - BS	EPA-8260	108			50	150	12/07/2022	DLC
Methylene Chloride - BSD	EPA-8260	106	2		50	150	12/07/2022	DLC
Methyl T-Butyl Ether - BS	EPA-8260	108			50	150	12/07/2022	DLC
Methyl T-Butyl Ether - BSD	EPA-8260	107	1		50	150	12/07/2022	DLC
Trans-1,2-Dichloroethene - BS	EPA-8260	113			50	150	12/07/2022	DLC
Trans-1,2-Dichloroethene - BSD	EPA-8260	109	3		50	150	12/07/2022	DLC
1,1-Dichloroethane - BS	EPA-8260	111			50	150	12/07/2022	DLC
1,1-Dichloroethane - BSD	EPA-8260	108	3		50	150	12/07/2022	DLC
2-Butanone - BS	EPA-8260	109			50	150	12/07/2022	DLC
2-Butanone - BSD	EPA-8260	102	7		50	150	12/07/2022	DLC
Cis-1,2-Dichloroethene - BS	EPA-8260	110			50	150	12/07/2022	DLC
Cis-1,2-Dichloroethene - BSD	EPA-8260	107	3		50	150	12/07/2022	DLC
Chloroform - BS	EPA-8260	101			50	150	12/07/2022	DLC
Chloroform - BSD	EPA-8260	98.4	3		50	150	12/07/2022	DLC
1,1,1-Trichloroethane - BS	EPA-8260	114			50	150	12/07/2022	DLC
1,1,1-Trichloroethane - BSD	EPA-8260	109	4		50	150	12/07/2022	DLC
1,2-Dichloroethane - BS	EPA-8260	102			50	150	12/07/2022	DLC
1,2-Dichloroethane - BSD	EPA-8260	101	2		50	150	12/07/2022	DLC
Benzene - BS	EPA-8260	105			74.7	143	12/07/2022	DLC
Benzene - BSD	EPA-8260	103	3		74.7	143	12/07/2022	DLC
Trichloroethene - BS	EPA-8260	109			74.4	141	12/07/2022	DLC
Trichloroethene - BSD	EPA-8260	106	3		74.4	141	12/07/2022	DLC
1,2-Dichloropropane - BS	EPA-8260	105			50	150	12/07/2022	DLC
1,2-Dichloropropane - BSD	EPA-8260	103	2		50	150	12/07/2022	DLC
4-Methyl-2-Pentanone - BS	EPA-8260	100			50	150	12/07/2022	DLC
4-Methyl-2-Pentanone - BSD	EPA-8260	99.6	1		50	150	12/07/2022	DLC
Toluene - BS	EPA-8260	112			71.7	139	12/07/2022	DLC
Toluene - BSD	EPA-8260	109	2		71.7	139	12/07/2022	DLC
1,1,2-Trichloroethane - BS	EPA-8260	106			50	150	12/07/2022	DLC
1,1,2-Trichloroethane - BSD	EPA-8260	105	1		50	150	12/07/2022	DLC
2-Hexanone - BS	EPA-8260	107			50	150	12/07/2022	DLC
2-Hexanone - BSD	EPA-8260	102	5		50	150	12/07/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/12/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22120005
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Tetrachloroethylene - BS	EPA-8260	112			50	150	12/07/2022	DLC
Tetrachloroethylene - BSD	EPA-8260	109	2		50	150	12/07/2022	DLC
1,2-Dibromoethane - BS	EPA-8260	115			50	150	12/07/2022	DLC
1,2-Dibromoethane - BSD	EPA-8260	114	1		50	150	12/07/2022	DLC
1,1,1,2-Tetrachloroethane - BS	EPA-8260	110			50	150	12/07/2022	DLC
1,1,1,2-Tetrachloroethane - BSD	EPA-8260	109	1		50	150	12/07/2022	DLC
Ethylbenzene - BS	EPA-8260	113			50	150	12/07/2022	DLC
Ethylbenzene - BSD	EPA-8260	110	3		50	150	12/07/2022	DLC
Isopropylbenzene - BS	EPA-8260	113			50	150	12/07/2022	DLC
Isopropylbenzene - BSD	EPA-8260	110	2		50	150	12/07/2022	DLC
1,1,2,2-Tetrachloroethane - BS	EPA-8260	102			50	150	12/07/2022	DLC
1,1,2,2-Tetrachloroethane - BSD	EPA-8260	102	0		50	150	12/07/2022	DLC
N-Propyl Benzene - BS	EPA-8260	108			50	150	12/07/2022	DLC
N-Propyl Benzene - BSD	EPA-8260	106	2		50	150	12/07/2022	DLC
1,3,5-Trimethylbenzene - BS	EPA-8260	113			50	150	12/07/2022	DLC
1,3,5-Trimethylbenzene - BSD	EPA-8260	112	1		50	150	12/07/2022	DLC
1,2,4-Trimethylbenzene - BS	EPA-8260	114			50	150	12/07/2022	DLC
1,2,4-Trimethylbenzene - BSD	EPA-8260	114	0		50	150	12/07/2022	DLC
S-Butyl Benzene - BS	EPA-8260	109			50	150	12/07/2022	DLC
S-Butyl Benzene - BSD	EPA-8260	108	1		50	150	12/07/2022	DLC
P-Isopropyltoluene - BS	EPA-8260	111			50	150	12/07/2022	DLC
P-Isopropyltoluene - BSD	EPA-8260	111	0		50	150	12/07/2022	DLC
Naphthalene - BS	EPA-8260	93.5			50	150	12/07/2022	DLC
Naphthalene - BSD	EPA-8260	102	9		50	150	12/07/2022	DLC
Xylenes - BS	EPA-8260	112			50	150	12/07/2022	DLC
Xylenes - BSD	EPA-8260	109	3		50	150	12/07/2022	DLC

ALS Test Batch ID: R423736 - Water by EPA-8270M

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
1,4-Dioxane - BS	EPA-8270M	33.0			20	120	12/06/2022	OSE
1,4-Dioxane - BSD	EPA-8270M	37.0	11		20	120	12/06/2022	OSE



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	12/12/2022
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22120005
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

MATRIX SPIKE RESULTS

ALS Test Batch ID: 187271 - Soil
Parent Sample: RISB-69-(9-10')

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	SPIKE ADDED	PARENT SAMPLE RESULT	LIMITS			ANALYSIS DATE	ANALYSIS BY	
							RESULT	MIN	MAX			
Vinyl Chloride - MS	EPA-8260	91.8			10.5	0	9.68	50	150		12/07/2022	DLC
Vinyl Chloride - MSD	EPA-8260	82.5	11		10.5	0	8.69	50	150	25	12/07/2022	DLC
Chloroethane - MS	EPA-8260	83.0			10.5	0	8.75	50	150		12/07/2022	DLC
Chloroethane - MSD	EPA-8260	76.3	9		10.5	0	8.04	50	150	25	12/07/2022	DLC
Carbon Tetrachloride - MS	EPA-8260	77.6			10.5	0	8.18	50	150		12/07/2022	DLC
Carbon Tetrachloride - MSD	EPA-8260	76.6	1		10.5	0	8.07	50	150	25	12/07/2022	DLC
Carbon Disulfide - MS	EPA-8260	81.0			10.5	0	8.54	50	150		12/07/2022	DLC
Carbon Disulfide - MSD	EPA-8260	76.1	6		10.5	0	8.02	50	150	25	12/07/2022	DLC
Acetone - MS	EPA-8260	144			10.5	0	15.2	50	150		12/07/2022	DLC
Acetone - MSD	EPA-8260	128	12		10.5	0	13.5	50	150	25	12/07/2022	DLC
1,1-Dichloroethene - MS	EPA-8260	82.0			10.5	0	8.65	70	130		12/07/2022	DLC
1,1-Dichloroethene - MSD	EPA-8260	76.8	7		10.5	0	8.08	70	130	22	12/07/2022	DLC
Methylene Chloride - MS	EPA-8260	84.4			10.5	1.2	10.1	50	150		12/07/2022	DLC
Methylene Chloride - MSD	EPA-8260	82.3	2		10.5	1.2	9.89	50	150	25	12/07/2022	DLC
Methyl T-Butyl Ether - MS	EPA-8260	88.2			10.5	0	9.29	50	150		12/07/2022	DLC
Methyl T-Butyl Ether - MSD	EPA-8260	86.9	2		10.5	0	9.15	50	150	25	12/07/2022	DLC
Trans-1,2-Dichloroethene - MS	EPA-8260	78.6			10.5	0	8.29	50	150		12/07/2022	DLC
Trans-1,2-Dichloroethene - MSD	EPA-8260	75.6	4		10.5	0	7.97	50	150	25	12/07/2022	DLC
1,1-Dichloroethane - MS	EPA-8260	83.4			10.5	0	8.79	50	150		12/07/2022	DLC
1,1-Dichloroethane - MSD	EPA-8260	82.5	1		10.5	0	8.69	50	150	25	12/07/2022	DLC
2-Butanone - MS	EPA-8260	95.6			10.5	0	10.1	50	150		12/07/2022	DLC
2-Butanone - MSD	EPA-8260	93.5	2		10.5	0	9.85	50	150	25	12/07/2022	DLC
Cis-1,2-Dichloroethene - MS	EPA-8260	83.7			10.5	0	8.83	50	150		12/07/2022	DLC
Cis-1,2-Dichloroethene - MSD	EPA-8260	82.0	2		10.5	0	8.63	50	150	25	12/07/2022	DLC
Chloroform - MS	EPA-8260	78.5			10.5	0	8.27	50	150		12/07/2022	DLC
Chloroform - MSD	EPA-8260	76.2	3		10.5	0	8.03	50	150	25	12/07/2022	DLC
1,1,1-Trichloroethane - MS	EPA-8260	74.2			10.5	0	7.83	50	150		12/07/2022	DLC
1,1,1-Trichloroethane - MSD	EPA-8260	73.5	1		10.5	0	7.74	50	150	25	12/07/2022	DLC
1,2-Dichloroethane - MS	EPA-8260	83.8			10.5	0	8.84	50	150		12/07/2022	DLC
1,2-Dichloroethane - MSD	EPA-8260	86.7	3		10.5	0	9.13	50	150	25	12/07/2022	DLC
Benzene - MS	EPA-8260	78.6			10.5	0	8.29	75	138		12/07/2022	DLC
Benzene - MSD	EPA-8260	81.2	3		10.5	0	8.56	75	138	21	12/07/2022	DLC
Trichloroethene - MS	EPA-8260	78.4			10.5	0	8.26	75	136		12/07/2022	DLC
Trichloroethene - MSD	EPA-8260	80.1	2		10.5	0	8.44	75	136	20	12/07/2022	DLC
1,2-Dichloropropane - MS	EPA-8260	85.7			10.5	0	9.04	50	150		12/07/2022	DLC
1,2-Dichloropropane - MSD	EPA-8260	87.3	2		10.5	0	9.19	50	150	25	12/07/2022	DLC
4-Methyl-2-Pentanone - MS	EPA-8260	82.8			10.5	0	8.73	50	150		12/07/2022	DLC
4-Methyl-2-Pentanone - MSD	EPA-8260	89.6	8		10.5	0	9.43	50	150	25	12/07/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT: Landau Associates, Inc.
155 NE 100th St, Ste 302
Seattle, WA 98125

DATE: 12/12/2022
ALS SDG#: EV22120005
WDOE ACCREDITATION: C601

CLIENT CONTACT: Stephanie Renando
CLIENT PROJECT: TECT RI - 222057.040.043

MATRIX SPIKE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	SPIKE ADDED	PARENT SAMPLE RESULT	LIMITS			ANALYSIS DATE	ANALYSIS BY	
							RESULT	MIN	MAX			
Toluene - MS	EPA-8260	76.2			10.5	0	8.03	71.6	122.1		12/07/2022	DLC
Toluene - MSD	EPA-8260	78.4	3		10.5	0	8.26	71.6	122.1	21	12/07/2022	DLC
1,1,2-Trichloroethane - MS	EPA-8260	82.2			10.5	0	8.66	50	150		12/07/2022	DLC
1,1,2-Trichloroethane - MSD	EPA-8260	83.5	2		10.5	0	8.80	50	150	25	12/07/2022	DLC
2-Hexanone - MS	EPA-8260	85.9			10.5	0	9.06	50	150		12/07/2022	DLC
2-Hexanone - MSD	EPA-8260	87.1	1		10.5	0	9.18	50	150	25	12/07/2022	DLC
Tetrachloroethylene - MS	EPA-8260	79.0			10.5	0	8.33	50	150		12/07/2022	DLC
Tetrachloroethylene - MSD	EPA-8260	81.9	3		10.5	0	8.62	50	150	25	12/07/2022	DLC
1,2-Dibromoethane - MS	EPA-8260	84.7			10.5	0	8.93	50	150		12/07/2022	DLC
1,2-Dibromoethane - MSD	EPA-8260	86.1	2		10.5	0	9.07	50	150	25	12/07/2022	DLC
1,1,1,2-Tetrachloroethane - MS	EPA-8260	80.6			10.5	0	8.50	50	150		12/07/2022	DLC
1,1,1,2-Tetrachloroethane - MSD	EPA-8260	83.8	4		10.5	0	8.83	50	150	25	12/07/2022	DLC
Ethylbenzene - MS	EPA-8260	78.6			10.5	0	8.29	50	150		12/07/2022	DLC
Ethylbenzene - MSD	EPA-8260	78.1	1		10.5	0	8.23	50	150	25	12/07/2022	DLC
Isopropylbenzene - MS	EPA-8260	78.3			10.5	0	8.26	50	150		12/07/2022	DLC
Isopropylbenzene - MSD	EPA-8260	78.2	0		10.5	0	8.24	50	150	25	12/07/2022	DLC
1,1,2,2-Tetrachloroethane - MS	EPA-8260	81.5			10.5	0	8.59	50	150		12/07/2022	DLC
1,1,2,2-Tetrachloroethane - MSD	EPA-8260	83.1	2		10.5	0	8.75	50	150	25	12/07/2022	DLC
N-Propyl Benzene - MS	EPA-8260	78.8			10.5	0	8.31	50	150		12/07/2022	DLC
N-Propyl Benzene - MSD	EPA-8260	79.2	0		10.5	0	8.34	50	150	25	12/07/2022	DLC
1,3,5-Trimethylbenzene - MS	EPA-8260	79.6			10.5	0	8.39	50	150		12/07/2022	DLC
1,3,5-Trimethylbenzene - MSD	EPA-8260	81.1	2		10.5	0	8.55	50	150	25	12/07/2022	DLC
1,2,4-Trimethylbenzene - MS	EPA-8260	80.1			10.5	0	8.45	50	150		12/07/2022	DLC
1,2,4-Trimethylbenzene - MSD	EPA-8260	80.2	0		10.5	0	8.45	50	150	25	12/07/2022	DLC
S-Butyl Benzene - MS	EPA-8260	75.2			10.5	0	7.93	50	150		12/07/2022	DLC
S-Butyl Benzene - MSD	EPA-8260	76.2	1		10.5	0	8.03	50	150	25	12/07/2022	DLC
P-Isopropyltoluene - MS	EPA-8260	74.9			10.5	0	7.90	50	150		12/07/2022	DLC
P-Isopropyltoluene - MSD	EPA-8260	75.7	1		10.5	0	7.97	50	150	25	12/07/2022	DLC
Naphthalene - MS	EPA-8260	84.2			10.5	0	8.88	50	150		12/07/2022	DLC
Naphthalene - MSD	EPA-8260	83.7	1		10.5	0	8.82	50	150	25	12/07/2022	DLC
Xylenes - MS	EPA-8260	79.2			31.6	0	25.0	50	150		12/07/2022	DLC
Xylenes - MSD	EPA-8260	79.9	1		31.6	0	25.2	50	150	25	12/07/2022	DLC

APPROVED BY

Laboratory Director



Chain-of-Custody Record

EJ22120005

North Seattle (206) 631-8660
 Tacoma (253) 926-2493
 Olympia (360) 791-3178

Spokane (509) 327-9737
 Portland (503) 542-1080

Date 11/30/22
 Page 1 of 1

Turnaround Time:
 Standard
 Accelerated

Project Name TEOT RI Project No. 222097.040.043
 Project Location/Event Everett, WA / phase III
 Sampler's Name Devan Brandt & Adam Torocsik
 Project Contact Stephanie Renando
 Send Results To " _____ " Seriy Ninteman & DATA

Testing Parameters

Special Handling Requirements:

Shipment Method: Drop off

Stored on ice: Yes / No

WWS (S2602)
1.4 Distance

1
2
3
4
5
6
7
8
9

Sample I.D.	Date	Time	Matrix	No. of Containers													
Trip Blanks	-	-	AQ	2	X												
RISB-70-(9-10')	11/30/22	1110	Soil	5	X												
RISB-70-(19-20')		1150	Soil	5	X												
RISB-70-GW-221130		1208	AQ	5	X												
RISB-70-(29-30')		1430	SOIL	5	X												
RISB-69-(9-10')	12/1/22	0940	SOIL	11	X					MS/MSD							
RISB-69-(19-20')		1030	SOIL	5	X												
RISB-69-GW-221201		1030	AQ	6	X	X											
RISB-69-(29-30')		1250	SOIL	5	X												

Observations/Comments

- Allow water samples to settle, collect aliquot from clear portion
- NWTPH-Dx - Acid wash cleanup
- Silica gel cleanup
- Dissolved metal samples were field filtered

Other No trip blanks received. Cancel voc for #1. SM

Relinquished by
 Signature [Signature]
 Printed Name Devan King
 Company Landau
 Date 12/1/22 Time 1313

Received by
 Signature [Signature]
 Printed Name Shawn Robinson
 Company ALS
 Date 12/1/22 Time 1313

Relinquished by
 Signature _____
 Printed Name _____
 Company _____
 Date _____ Time _____

Received by
 Signature _____
 Printed Name _____
 Company _____
 Date _____ Time _____

ALS ENVIRONMENTAL

Sample Receiving Checklist

Client: Cardus ALS Job #: EV22120005

Project: TECT R1 222057.040.043

Received Date: 12/1/22 Received Time: 1313 By: Shawn / CCN

Type of shipping container: Cooler Box Other

Shipped via: FedEx Ground UPS Mail Courier Hand Delivered
FedEx Express

	Yes	No	N/A
Were custody seals on outside of shipping container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
If yes, how many? _____ Where? _____			
Custody seal date: _____ Seal name: _____			

Was Chain of Custody properly filled out (ink, signed, dated, etc.)?

Did all bottles have labels?

Did all bottle labels and tags agree with Chain of Custody?

Were samples received within hold time?

Did all bottles arrive in good condition (unbroken, etc.)?

Was sufficient amount of sample sent for the tests indicated?

Was correct preservation added to samples?

If no, Sample Control added preservative to the following:

<u>Sample Number</u>	<u>Reagent</u>	<u>Analyte</u>	
_____	_____	_____	8 low kits
_____	_____	_____	
_____	_____	_____	

Were VOA vials checked for absence of air bubbles?
Bubbles present in sample #: None

Temperature of cooler upon receipt: 8.3C on ice Cold Cool Ambient N/A

Explain any discrepancies: * No Trip Blanks, 11 Containers for -ob, 1 methanol vial w/o sample

Was client contacted? _____ Who was called? _____ By whom? _____ Date: _____

Outcome of call: _____



January 5, 2023

Ms. Stephanie Renando
Landau Associates, Inc.
155 NE 100th St, Ste 302
Seattle, WA 98125

Dear Ms. Renando,

On December 2nd, 6 samples were received by our laboratory and assigned our laboratory project number EV22120015. The project was identified as your TECT RI - 222057.040.043. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Glen Perry
Laboratory Director



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	1/5/2023
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22120015
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22120015-01
CLIENT SAMPLE ID	Trip Blanks	DATE RECEIVED:	12/02/2022
		COLLECTION DATE:	12/1/2022
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
Vinyl Chloride	EPA-8260	U	0.020	1	UG/L	12/07/2022	DLC
Chloroethane	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
Carbon Tetrachloride	EPA-8260	U	0.50	1	UG/L	12/07/2022	DLC
Carbon Disulfide	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
Acetone	EPA-8260	U	25	1	UG/L	12/07/2022	DLC
1,1-Dichloroethene	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
Methylene Chloride	EPA-8260	U	5.0	1	UG/L	12/07/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
1,1-Dichloroethane	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
2-Butanone	EPA-8260	U	10	1	UG/L	12/07/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
Chloroform	EPA-8260	U	0.50	1	UG/L	12/07/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
1,2-Dichloroethane	EPA-8260	U	0.020	1	UG/L	12/07/2022	DLC
Benzene	EPA-8260	U	0.50	1	UG/L	12/07/2022	DLC
Trichloroethene	EPA-8260	U	0.50	1	UG/L	12/07/2022	DLC
1,2-Dichloropropane	EPA-8260	U	0.50	1	UG/L	12/07/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	10	1	UG/L	12/07/2022	DLC
Toluene	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	0.50	1	UG/L	12/07/2022	DLC
2-Hexanone	EPA-8260	U	10	1	UG/L	12/07/2022	DLC
Tetrachloroethylene	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
1,2-Dibromoethane	EPA-8260	U	0.010	1	UG/L	12/07/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	0.50	1	UG/L	12/07/2022	DLC
Ethylbenzene	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
Isopropylbenzene	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	0.50	1	UG/L	12/07/2022	DLC
N-Propyl Benzene	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
S-Butyl Benzene	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
P-Isopropyltoluene	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
Naphthalene	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
Xylenes	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
1,2-Dichloroethane-d4	EPA-8260	101	12/07/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT: Landau Associates, Inc. DATE: 1/5/2023
155 NE 100th St, Ste 302 ALS JOB#: EV22120015
Seattle, WA 98125 ALS SAMPLE#: EV22120015-01
CLIENT CONTACT: Stephanie Renando DATE RECEIVED: 12/02/2022
CLIENT PROJECT: TECT RI - 222057.040.043 COLLECTION DATE: 12/1/2022
CLIENT SAMPLE ID: Trip Blanks WDOE ACCREDITATION: C601

SAMPLE DATA RESULTS

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
Toluene-d8	EPA-8260	103	12/07/2022	DLC
4-Bromofluorobenzene	EPA-8260	110	12/07/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	1/5/2023
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22120015
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22120015-02
CLIENT SAMPLE ID	DUP-SOIL-221201	DATE RECEIVED:	12/02/2022
		COLLECTION DATE:	12/1/2022 1:00:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
Vinyl Chloride	EPA-8260	0.11	0.050	1	UG/KG	12/07/2022	DLC
Chloroethane	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Carbon Tetrachloride	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Carbon Disulfide	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Acetone	EPA-8260	U	50	1	UG/KG	12/07/2022	DLC
1,1-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Methylene Chloride	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
1,1-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
2-Butanone	EPA-8260	U	50	1	UG/KG	12/07/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Chloroform	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
1,2-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Benzene	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Trichloroethene	EPA-8260	14	1.5	1	UG/KG	12/07/2022	DLC
1,2-Dichloropropane	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	50	1	UG/KG	12/07/2022	DLC
Toluene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
2-Hexanone	EPA-8260	U	50	1	UG/KG	12/07/2022	DLC
Tetrachloroethylene	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	12/07/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Ethylbenzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Isopropylbenzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
N-Propyl Benzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
S-Butyl Benzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
P-Isopropyltoluene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Naphthalene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Xylenes	EPA-8260	U	20	1	UG/KG	12/07/2022	DLC

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
1,2-Dichloroethane-d4	EPA-8260	94.7	12/07/2022	DLC

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	1/5/2023
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22120015
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22120015-02
CLIENT SAMPLE ID	DUP-SOIL-221201	DATE RECEIVED:	12/02/2022
		COLLECTION DATE:	12/1/2022 1:00:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
Toluene-d8	EPA-8260	96.4	12/07/2022	DLC
4-Bromofluorobenzene	EPA-8260	104	12/07/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	1/5/2023
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22120015
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22120015-03
CLIENT SAMPLE ID	RISB-71-(9-10')	DATE RECEIVED:	12/02/2022
		COLLECTION DATE:	12/1/2022 3:30:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Vinyl Chloride	EPA-8260	U	0.050	1	UG/KG	12/07/2022	DLC
Vinyl Chloride	EPA-8260	0.079 HT06	0.074	1.47	UG/KG	12/22/2022	DLC
Chloroethane	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Chloroethane	EPA-8260	U, HT06	15	1.47	UG/KG	12/22/2022	DLC
Carbon Tetrachloride	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Carbon Tetrachloride	EPA-8260	U, HT06	2.2	1.47	UG/KG	12/22/2022	DLC
Carbon Disulfide	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Carbon Disulfide	EPA-8260	U, HT06	15	1.47	UG/KG	12/22/2022	DLC
Acetone	EPA-8260	U	50	1	UG/KG	12/07/2022	DLC
Acetone	EPA-8260	U, HT06	74	1.47	UG/KG	12/22/2022	DLC
1,1-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
1,1-Dichloroethene	EPA-8260	U, HT06	2.2	1.47	UG/KG	12/22/2022	DLC
Methylene Chloride	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Methylene Chloride	EPA-8260	U, HT06	2.2	1.47	UG/KG	12/22/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U, HT06	2.2	1.47	UG/KG	12/22/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U, HT06	15	1.47	UG/KG	12/22/2022	DLC
1,1-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
1,1-Dichloroethane	EPA-8260	U, HT06	2.2	1.47	UG/KG	12/22/2022	DLC
2-Butanone	EPA-8260	U	50	1	UG/KG	12/07/2022	DLC
2-Butanone	EPA-8260	U, HT06	74	1.47	UG/KG	12/22/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U, HT06	2.2	1.47	UG/KG	12/22/2022	DLC
Chloroform	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Chloroform	EPA-8260	U, HT06	2.2	1.47	UG/KG	12/22/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U, HT06	15	1.47	UG/KG	12/22/2022	DLC
1,2-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
1,2-Dichloroethane	EPA-8260	U, HT06	2.2	1.47	UG/KG	12/22/2022	DLC
Benzene	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Benzene	EPA-8260	U, HT06	2.2	1.47	UG/KG	12/22/2022	DLC
Trichloroethene	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Trichloroethene	EPA-8260	11 HT06	2.2	1.47	UG/KG	12/22/2022	DLC
1,2-Dichloropropane	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
1,2-Dichloropropane	EPA-8260	U, HT06	2.2	1.47	UG/KG	12/22/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	50	1	UG/KG	12/07/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U, HT06	74	1.47	UG/KG	12/22/2022	DLC
Toluene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	1/5/2023
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22120015
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22120015-03
CLIENT SAMPLE ID	RISB-71-(9-10')	DATE RECEIVED:	12/02/2022
		COLLECTION DATE:	12/1/2022 3:30:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
Toluene	EPA-8260	U, HT06	15	1.47	UG/KG	12/22/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U, HT06	2.2	1.47	UG/KG	12/22/2022	DLC
2-Hexanone	EPA-8260	U	50	1	UG/KG	12/07/2022	DLC
2-Hexanone	EPA-8260	U, HT06	74	1.47	UG/KG	12/22/2022	DLC
Tetrachloroethylene	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Tetrachloroethylene	EPA-8260	U, HT06	2.2	1.47	UG/KG	12/22/2022	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	12/07/2022	DLC
1,2-Dibromoethane	EPA-8260	U, HT06	7.4	1.47	UG/KG	12/22/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U, HT06	15	1.47	UG/KG	12/22/2022	DLC
Ethylbenzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Ethylbenzene	EPA-8260	U, HT06	15	1.47	UG/KG	12/22/2022	DLC
Isopropylbenzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Isopropylbenzene	EPA-8260	U, HT06	15	1.47	UG/KG	12/22/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U, HT06	2.2	1.47	UG/KG	12/22/2022	DLC
N-Propyl Benzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
N-Propyl Benzene	EPA-8260	U, HT06	15	1.47	UG/KG	12/22/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U, HT06	15	1.47	UG/KG	12/22/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U, HT06	15	1.47	UG/KG	12/22/2022	DLC
S-Butyl Benzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
S-Butyl Benzene	EPA-8260	U, HT06	15	1.47	UG/KG	12/22/2022	DLC
P-Isopropyltoluene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
P-Isopropyltoluene	EPA-8260	U, HT06	15	1.47	UG/KG	12/22/2022	DLC
Naphthalene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Naphthalene	EPA-8260	U, HT06	15	1.47	UG/KG	12/22/2022	DLC
Xylenes	EPA-8260	U	20	1	UG/KG	12/07/2022	DLC
Xylenes	EPA-8260	U, HT06	29	1.47	UG/KG	12/22/2022	DLC

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
1,2-Dichloroethane-d4	EPA-8260	90.3	12/07/2022	DLC
1,2-Dichloroethane-d4 1.47X Dilution	EPA-8260	92.5 HT06	12/22/2022	DLC
Toluene-d8	EPA-8260	98.0	12/07/2022	DLC
Toluene-d8 1.47X Dilution	EPA-8260	98.1 HT06	12/22/2022	DLC
4-Bromofluorobenzene	EPA-8260	108	12/07/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	1/5/2023
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22120015
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22120015-03
CLIENT SAMPLE ID	RISB-71-(9-10')	DATE RECEIVED:	12/02/2022
		COLLECTION DATE:	12/1/2022 3:30:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
4-Bromofluorobenzene 1.47X Dilution	EPA-8260	100 HT06	12/22/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.
 HT06 -Sample was analyzed outside of the holding time due to instrument problems. Results should be considered estimated.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	1/5/2023
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22120015
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22120015-04
CLIENT SAMPLE ID	RISB-71-(19-20')	DATE RECEIVED:	12/02/2022
		COLLECTION DATE:	12/1/2022 4:00:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
Vinyl Chloride	EPA-8260	0.068	0.050	1	UG/KG	12/07/2022	DLC
Chloroethane	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Carbon Tetrachloride	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Carbon Disulfide	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Acetone	EPA-8260	U	50	1	UG/KG	12/07/2022	DLC
1,1-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Methylene Chloride	EPA-8260	3.4	1.6	1	UG/KG	12/07/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
1,1-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
2-Butanone	EPA-8260	U	50	1	UG/KG	12/07/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Chloroform	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
1,2-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Benzene	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Trichloroethene	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
1,2-Dichloropropane	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	50	1	UG/KG	12/07/2022	DLC
Toluene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
2-Hexanone	EPA-8260	U	50	1	UG/KG	12/07/2022	DLC
Tetrachloroethylene	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	12/07/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Ethylbenzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Isopropylbenzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
N-Propyl Benzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
S-Butyl Benzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
P-Isopropyltoluene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Naphthalene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Xylenes	EPA-8260	U	20	1	UG/KG	12/07/2022	DLC

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
1,2-Dichloroethane-d4	EPA-8260	100	12/07/2022	DLC

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	1/5/2023
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22120015
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22120015-04
CLIENT SAMPLE ID	RISB-71-(19-20')	DATE RECEIVED:	12/02/2022
		COLLECTION DATE:	12/1/2022 4:00:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

SURROGATE	METHOD	%REC	ANALYSIS ANALYSIS	
			DATE	BY
Toluene-d8	EPA-8260	97.8	12/07/2022	DLC
4-Bromofluorobenzene	EPA-8260	112	12/07/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	1/5/2023
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22120015
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22120015-05
CLIENT SAMPLE ID	RISB-71-GW-221201	DATE RECEIVED:	12/02/2022
		COLLECTION DATE:	12/1/2022 4:10:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
Vinyl Chloride	EPA-8260	0.78	0.020	1	UG/L	12/07/2022	DLC
Chloroethane	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
Carbon Tetrachloride	EPA-8260	U	0.50	1	UG/L	12/07/2022	DLC
Carbon Disulfide	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
Acetone	EPA-8260	U	25	1	UG/L	12/07/2022	DLC
1,1-Dichloroethene	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
Methylene Chloride	EPA-8260	U	5.0	1	UG/L	12/07/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
1,1-Dichloroethane	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
2-Butanone	EPA-8260	U	10	1	UG/L	12/07/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	10	2.0	1	UG/L	12/07/2022	DLC
Chloroform	EPA-8260	U	0.50	1	UG/L	12/07/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
1,2-Dichloroethane	EPA-8260	U	0.020	1	UG/L	12/07/2022	DLC
Benzene	EPA-8260	U	0.50	1	UG/L	12/07/2022	DLC
Trichloroethene	EPA-8260	22	0.50	1	UG/L	12/07/2022	DLC
1,2-Dichloropropane	EPA-8260	U	0.50	1	UG/L	12/07/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	10	1	UG/L	12/07/2022	DLC
Toluene	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	0.50	1	UG/L	12/07/2022	DLC
2-Hexanone	EPA-8260	U	10	1	UG/L	12/07/2022	DLC
Tetrachloroethylene	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
1,2-Dibromoethane	EPA-8260	U	0.010	1	UG/L	12/07/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	0.50	1	UG/L	12/07/2022	DLC
Ethylbenzene	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
Isopropylbenzene	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	0.50	1	UG/L	12/07/2022	DLC
N-Propyl Benzene	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
S-Butyl Benzene	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
P-Isopropyltoluene	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
Naphthalene	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
Xylenes	EPA-8260	U	2.0	1	UG/L	12/07/2022	DLC
1,4-Dioxane	EPA-8270M	U	0.40	1	UG/L	12/06/2022	OSE

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
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CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	1/5/2023
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22120015
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22120015-05
CLIENT SAMPLE ID	RISB-71-GW-221201	DATE RECEIVED:	12/02/2022
		COLLECTION DATE:	12/1/2022 4:10:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

SURROGATE	METHOD	%REC	ANALYSIS ANALYSIS	
			DATE	BY
1,2-Dichloroethane-d4	EPA-8260	101	12/07/2022	DLC
Toluene-d8	EPA-8260	98.7	12/07/2022	DLC
4-Bromofluorobenzene	EPA-8260	98.7	12/07/2022	DLC
d8-1,4-Dioxane	EPA-8270M	69.0	12/06/2022	OSE

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	1/5/2023
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22120015
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22120015-06
CLIENT SAMPLE ID	RISB-71-(29-30')	DATE RECEIVED:	12/02/2022
		COLLECTION DATE:	12/2/2022 9:20:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
Vinyl Chloride	EPA-8260	U	0.050	1	UG/KG	12/07/2022	DLC
Chloroethane	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Carbon Tetrachloride	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Carbon Disulfide	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Acetone	EPA-8260	U	50	1	UG/KG	12/07/2022	DLC
1,1-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Methylene Chloride	EPA-8260	2.9	1.5	1	UG/KG	12/07/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
1,1-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
2-Butanone	EPA-8260	U	50	1	UG/KG	12/07/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Chloroform	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
1,2-Dichloroethane	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Benzene	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
Trichloroethene	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
1,2-Dichloropropane	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	50	1	UG/KG	12/07/2022	DLC
Toluene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
2-Hexanone	EPA-8260	U	50	1	UG/KG	12/07/2022	DLC
Tetrachloroethylene	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	12/07/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Ethylbenzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Isopropylbenzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	1.5	1	UG/KG	12/07/2022	DLC
N-Propyl Benzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
S-Butyl Benzene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
P-Isopropyltoluene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Naphthalene	EPA-8260	U	10	1	UG/KG	12/07/2022	DLC
Xylenes	EPA-8260	U	20	1	UG/KG	12/07/2022	DLC

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
1,2-Dichloroethane-d4	EPA-8260	99.1	12/07/2022	DLC

CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	1/5/2023
CLIENT CONTACT:	Stephanie Renando	ALS JOB#:	EV22120015
CLIENT PROJECT:	TECT RI - 222057.040.043	ALS SAMPLE#:	EV22120015-06
CLIENT SAMPLE ID	RISB-71-(29-30')	DATE RECEIVED:	12/02/2022
		COLLECTION DATE:	12/2/2022 9:20:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
Toluene-d8	EPA-8260	103	12/07/2022	DLC
4-Bromofluorobenzene	EPA-8260	110	12/07/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	1/5/2023
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22120015
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY BLANK RESULTS

MB-120722S - Batch 187271 - Soil by EPA-8260

ANALYTE	METHOD	RESULTS	UNITS	REPORTING	ANALYSIS	ANALYSIS
				LIMITS	DATE	BY
Vinyl Chloride	EPA-8260	U	UG/KG	0.050	12/07/2022	DLC
Chloroethane	EPA-8260	U	UG/KG	10	12/07/2022	DLC
Carbon Tetrachloride	EPA-8260	U	UG/KG	1.5	12/07/2022	DLC
Carbon Disulfide	EPA-8260	U	UG/KG	10	12/07/2022	DLC
Acetone	EPA-8260	U	UG/KG	50	12/07/2022	DLC
1,1-Dichloroethene	EPA-8260	U	UG/KG	1.5	12/07/2022	DLC
Methylene Chloride	EPA-8260	U	UG/KG	2.3	12/07/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	UG/KG	1.5	12/07/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	UG/KG	10	12/07/2022	DLC
1,1-Dichloroethane	EPA-8260	U	UG/KG	1.5	12/07/2022	DLC
2-Butanone	EPA-8260	U	UG/KG	50	12/07/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	UG/KG	1.5	12/07/2022	DLC
Chloroform	EPA-8260	U	UG/KG	1.5	12/07/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	UG/KG	10	12/07/2022	DLC
1,2-Dichloroethane	EPA-8260	U	UG/KG	1.5	12/07/2022	DLC
Benzene	EPA-8260	U	UG/KG	1.5	12/07/2022	DLC
Trichloroethene	EPA-8260	U	UG/KG	1.5	12/07/2022	DLC
1,2-Dichloropropane	EPA-8260	U	UG/KG	1.5	12/07/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	UG/KG	50	12/07/2022	DLC
Toluene	EPA-8260	U	UG/KG	10	12/07/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	UG/KG	1.5	12/07/2022	DLC
2-Hexanone	EPA-8260	U	UG/KG	50	12/07/2022	DLC
Tetrachloroethylene	EPA-8260	U	UG/KG	1.5	12/07/2022	DLC
1,2-Dibromoethane	EPA-8260	U	UG/KG	5.0	12/07/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	UG/KG	10	12/07/2022	DLC
Ethylbenzene	EPA-8260	U	UG/KG	10	12/07/2022	DLC
Isopropylbenzene	EPA-8260	U	UG/KG	10	12/07/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	UG/KG	1.5	12/07/2022	DLC
N-Propyl Benzene	EPA-8260	U	UG/KG	10	12/07/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	UG/KG	10	12/07/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	UG/KG	10	12/07/2022	DLC
S-Butyl Benzene	EPA-8260	U	UG/KG	10	12/07/2022	DLC
P-Isopropyltoluene	EPA-8260	U	UG/KG	10	12/07/2022	DLC
Naphthalene	EPA-8260	U	UG/KG	10	12/07/2022	DLC
Xylenes	EPA-8260	U	UG/KG	20	12/07/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	1/5/2023
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22120015
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY BLANK RESULTS

MB-122222S - Batch 187271 - Soil by EPA-8260

ANALYTE	METHOD	RESULTS	UNITS	REPORTING	ANALYSIS	ANALYSIS
				LIMITS	DATE	BY
Vinyl Chloride	EPA-8260	U	UG/KG	0.050	12/22/2022	DLC
Chloroethane	EPA-8260	U	UG/KG	10	12/22/2022	DLC
Carbon Tetrachloride	EPA-8260	U	UG/KG	1.5	12/22/2022	DLC
Carbon Disulfide	EPA-8260	U	UG/KG	10	12/22/2022	DLC
Acetone	EPA-8260	U	UG/KG	50	12/22/2022	DLC
1,1-Dichloroethene	EPA-8260	U	UG/KG	1.5	12/22/2022	DLC
Methylene Chloride	EPA-8260	U	UG/KG	2.3	12/22/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	UG/KG	1.5	12/22/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	UG/KG	10	12/22/2022	DLC
1,1-Dichloroethane	EPA-8260	U	UG/KG	1.5	12/22/2022	DLC
2-Butanone	EPA-8260	U	UG/KG	50	12/22/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	UG/KG	1.5	12/22/2022	DLC
Chloroform	EPA-8260	U	UG/KG	1.5	12/22/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	UG/KG	10	12/22/2022	DLC
1,2-Dichloroethane	EPA-8260	U	UG/KG	1.5	12/22/2022	DLC
Benzene	EPA-8260	U	UG/KG	1.5	12/22/2022	DLC
Trichloroethene	EPA-8260	U	UG/KG	1.5	12/22/2022	DLC
1,2-Dichloropropane	EPA-8260	U	UG/KG	1.5	12/22/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	UG/KG	50	12/22/2022	DLC
Toluene	EPA-8260	U	UG/KG	10	12/22/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	UG/KG	1.5	12/22/2022	DLC
2-Hexanone	EPA-8260	U	UG/KG	50	12/22/2022	DLC
Tetrachloroethylene	EPA-8260	U	UG/KG	1.5	12/22/2022	DLC
1,2-Dibromoethane	EPA-8260	U	UG/KG	5.0	12/22/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	UG/KG	10	12/22/2022	DLC
Ethylbenzene	EPA-8260	U	UG/KG	10	12/22/2022	DLC
Isopropylbenzene	EPA-8260	U	UG/KG	10	12/22/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	UG/KG	1.5	12/22/2022	DLC
N-Propyl Benzene	EPA-8260	U	UG/KG	10	12/22/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	UG/KG	10	12/22/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	UG/KG	10	12/22/2022	DLC
S-Butyl Benzene	EPA-8260	U	UG/KG	10	12/22/2022	DLC
P-Isopropyltoluene	EPA-8260	U	UG/KG	10	12/22/2022	DLC
Naphthalene	EPA-8260	U	UG/KG	10	12/22/2022	DLC
Xylenes	EPA-8260	U	UG/KG	20	12/22/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	1/5/2023
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22120015
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY BLANK RESULTS

MB-120622W - Batch 187214 - Water by EPA-8260

ANALYTE	METHOD	RESULTS	UNITS	REPORTING	ANALYSIS	ANALYSIS
				LIMITS	DATE	BY
Vinyl Chloride	EPA-8260	U	UG/L	0.020	12/07/2022	DLC
Chloroethane	EPA-8260	U	UG/L	2.0	12/07/2022	DLC
Carbon Tetrachloride	EPA-8260	U	UG/L	0.50	12/07/2022	DLC
Carbon Disulfide	EPA-8260	U	UG/L	2.0	12/07/2022	DLC
Acetone	EPA-8260	U	UG/L	25	12/07/2022	DLC
1,1-Dichloroethene	EPA-8260	U	UG/L	2.0	12/07/2022	DLC
Methylene Chloride	EPA-8260	U	UG/L	5.0	12/07/2022	DLC
Methyl T-Butyl Ether	EPA-8260	U	UG/L	2.0	12/07/2022	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	UG/L	2.0	12/07/2022	DLC
1,1-Dichloroethane	EPA-8260	U	UG/L	2.0	12/07/2022	DLC
2-Butanone	EPA-8260	U	UG/L	10	12/07/2022	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	UG/L	2.0	12/07/2022	DLC
Chloroform	EPA-8260	U	UG/L	0.50	12/07/2022	DLC
1,1,1-Trichloroethane	EPA-8260	U	UG/L	2.0	12/07/2022	DLC
1,2-Dichloroethane	EPA-8260	U	UG/L	0.020	12/07/2022	DLC
Benzene	EPA-8260	U	UG/L	0.50	12/07/2022	DLC
Trichloroethene	EPA-8260	U	UG/L	0.50	12/07/2022	DLC
1,2-Dichloropropane	EPA-8260	U	UG/L	0.50	12/07/2022	DLC
4-Methyl-2-Pentanone	EPA-8260	U	UG/L	10	12/07/2022	DLC
Toluene	EPA-8260	U	UG/L	2.0	12/07/2022	DLC
1,1,2-Trichloroethane	EPA-8260	U	UG/L	0.50	12/07/2022	DLC
2-Hexanone	EPA-8260	U	UG/L	10	12/07/2022	DLC
Tetrachloroethylene	EPA-8260	U	UG/L	2.0	12/07/2022	DLC
1,2-Dibromoethane	EPA-8260	U	UG/L	0.010	12/07/2022	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	UG/L	0.50	12/07/2022	DLC
Ethylbenzene	EPA-8260	U	UG/L	2.0	12/07/2022	DLC
Isopropylbenzene	EPA-8260	U	UG/L	2.0	12/07/2022	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	UG/L	0.50	12/07/2022	DLC
N-Propyl Benzene	EPA-8260	U	UG/L	2.0	12/07/2022	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	UG/L	2.0	12/07/2022	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	UG/L	2.0	12/07/2022	DLC
S-Butyl Benzene	EPA-8260	U	UG/L	2.0	12/07/2022	DLC
P-Isopropyltoluene	EPA-8260	U	UG/L	2.0	12/07/2022	DLC
Naphthalene	EPA-8260	U	UG/L	2.0	12/07/2022	DLC
Xylenes	EPA-8260	U	UG/L	2.0	12/07/2022	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT: Landau Associates, Inc. DATE: 1/5/2023
155 NE 100th St, Ste 302 ALS SDG#: EV22120015
Seattle, WA 98125 WDOE ACCREDITATION: C601
CLIENT CONTACT: Stephanie Renando
CLIENT PROJECT: TECT RI - 222057.040.043

LABORATORY BLANK RESULTS

MBLK-R423736 - Batch R423736 - Water by EPA-8270M

Table with 7 columns: ANALYTE, METHOD, RESULTS, UNITS, REPORTING LIMITS, ANALYSIS DATE, ANALYSIS BY. Row 1: 1,4-Dioxane, EPA-8270M, U, UG/L, 0.40, 12/06/2022, OSE

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	1/5/2023
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22120015
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 187271 - Soil by EPA-8260

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Vinyl Chloride - BS	EPA-8260	97.8			50	150	12/07/2022	DLC
Vinyl Chloride - BS	EPA-8260	112			50	150	12/22/2022	DLC
Vinyl Chloride - BSD	EPA-8260	100	3		50	150	12/07/2022	DLC
Vinyl Chloride - BSD	EPA-8260	109	3		50	150	12/22/2022	DLC
Chloroethane - BS	EPA-8260	90.2			50	150	12/07/2022	DLC
Chloroethane - BS	EPA-8260	111			50	150	12/22/2022	DLC
Chloroethane - BSD	EPA-8260	104	7		50	150	12/22/2022	DLC
Chloroethane - BSD	EPA-8260	92.3	2		50	150	12/07/2022	DLC
Carbon Tetrachloride - BS	EPA-8260	98.1			50	150	12/07/2022	DLC
Carbon Tetrachloride - BS	EPA-8260	105			50	150	12/22/2022	DLC
Carbon Tetrachloride - BSD	EPA-8260	99.3	6		50	150	12/22/2022	DLC
Carbon Tetrachloride - BSD	EPA-8260	98.3	0		50	150	12/07/2022	DLC
Carbon Disulfide - BS	EPA-8260	93.1			50	150	12/07/2022	DLC
Carbon Disulfide - BS	EPA-8260	110			50	150	12/22/2022	DLC
Carbon Disulfide - BSD	EPA-8260	94.6	2		50	150	12/07/2022	DLC
Carbon Disulfide - BSD	EPA-8260	103	6		50	150	12/22/2022	DLC
Acetone - BS	EPA-8260	89.9			50	150	12/07/2022	DLC
Acetone - BS	EPA-8260	126			50	150	12/22/2022	DLC
Acetone - BSD	EPA-8260	121	30	SR1	50	150	12/07/2022	DLC
Acetone - BSD	EPA-8260	111	13		50	150	12/22/2022	DLC
1,1-Dichloroethene - BS	EPA-8260	110			70	130	12/22/2022	DLC
1,1-Dichloroethene - BS	EPA-8260	92.1			70	130	12/07/2022	DLC
1,1-Dichloroethene - BSD	EPA-8260	94.0	2		70	130	12/07/2022	DLC
1,1-Dichloroethene - BSD	EPA-8260	103	7		70	130	12/22/2022	DLC
Methylene Chloride - BS	EPA-8260	122			50	150	12/22/2022	DLC
Methylene Chloride - BS	EPA-8260	106			50	150	12/07/2022	DLC
Methylene Chloride - BSD	EPA-8260	115	6		50	150	12/22/2022	DLC
Methylene Chloride - BSD	EPA-8260	111	5		50	150	12/07/2022	DLC
Methyl T-Butyl Ether - BS	EPA-8260	99.2			50	150	12/07/2022	DLC
Methyl T-Butyl Ether - BS	EPA-8260	109			50	150	12/22/2022	DLC
Methyl T-Butyl Ether - BSD	EPA-8260	101	2		50	150	12/07/2022	DLC
Methyl T-Butyl Ether - BSD	EPA-8260	103	6		50	150	12/22/2022	DLC
Trans-1,2-Dichloroethene - BS	EPA-8260	96.0			50	150	12/07/2022	DLC
Trans-1,2-Dichloroethene - BS	EPA-8260	102			50	150	12/22/2022	DLC
Trans-1,2-Dichloroethene - BSD	EPA-8260	99.1	3		50	150	12/22/2022	DLC
Trans-1,2-Dichloroethene - BSD	EPA-8260	96.9	1		50	150	12/07/2022	DLC
1,1-Dichloroethane - BS	EPA-8260	98.0			50	150	12/07/2022	DLC
1,1-Dichloroethane - BS	EPA-8260	109			50	150	12/22/2022	DLC
1,1-Dichloroethane - BSD	EPA-8260	99.2	1		50	150	12/07/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	1/5/2023
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22120015
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
1,1-Dichloroethane - BSD	EPA-8260	106	3		50	150	12/22/2022	DLC
2-Butanone - BS	EPA-8260	85.8			50	150	12/07/2022	DLC
2-Butanone - BS	EPA-8260	107			50	150	12/22/2022	DLC
2-Butanone - BSD	EPA-8260	83.5	3		50	150	12/07/2022	DLC
2-Butanone - BSD	EPA-8260	82.1	26	SR1	50	150	12/22/2022	DLC
Cis-1,2-Dichloroethene - BS	EPA-8260	101			50	150	12/07/2022	DLC
Cis-1,2-Dichloroethene - BS	EPA-8260	110			50	150	12/22/2022	DLC
Cis-1,2-Dichloroethene - BSD	EPA-8260	101	0		50	150	12/07/2022	DLC
Cis-1,2-Dichloroethene - BSD	EPA-8260	107	3		50	150	12/22/2022	DLC
Chloroform - BS	EPA-8260	113			50	150	12/22/2022	DLC
Chloroform - BS	EPA-8260	92.1			50	150	12/07/2022	DLC
Chloroform - BSD	EPA-8260	93.3	1		50	150	12/07/2022	DLC
Chloroform - BSD	EPA-8260	107	5		50	150	12/22/2022	DLC
1,1,1-Trichloroethane - BS	EPA-8260	107			50	150	12/22/2022	DLC
1,1,1-Trichloroethane - BS	EPA-8260	93.7			50	150	12/07/2022	DLC
1,1,1-Trichloroethane - BSD	EPA-8260	94.7	1		50	150	12/07/2022	DLC
1,1,1-Trichloroethane - BSD	EPA-8260	101	6		50	150	12/22/2022	DLC
1,2-Dichloroethane - BS	EPA-8260	97.5			50	150	12/07/2022	DLC
1,2-Dichloroethane - BS	EPA-8260	102			50	150	12/22/2022	DLC
1,2-Dichloroethane - BSD	EPA-8260	97.0	0		50	150	12/07/2022	DLC
1,2-Dichloroethane - BSD	EPA-8260	98.3	4		50	150	12/22/2022	DLC
Benzene - BS	EPA-8260	97.5			75	138	12/07/2022	DLC
Benzene - BS	EPA-8260	98.2			75	138	12/22/2022	DLC
Benzene - BSD	EPA-8260	95.5	3		75	138	12/22/2022	DLC
Benzene - BSD	EPA-8260	98.1	1		75	138	12/07/2022	DLC
Trichloroethene - BS	EPA-8260	103			75	136	12/22/2022	DLC
Trichloroethene - BS	EPA-8260	98.3			75	136	12/07/2022	DLC
Trichloroethene - BSD	EPA-8260	98.8	0		75	136	12/07/2022	DLC
Trichloroethene - BSD	EPA-8260	98.4	5		75	136	12/22/2022	DLC
1,2-Dichloropropane - BS	EPA-8260	102			50	150	12/22/2022	DLC
1,2-Dichloropropane - BS	EPA-8260	101			50	150	12/07/2022	DLC
1,2-Dichloropropane - BSD	EPA-8260	103	1		50	150	12/22/2022	DLC
1,2-Dichloropropane - BSD	EPA-8260	101	0		50	150	12/07/2022	DLC
4-Methyl-2-Pentanone - BS	EPA-8260	110			50	150	12/22/2022	DLC
4-Methyl-2-Pentanone - BS	EPA-8260	97.0			50	150	12/07/2022	DLC
4-Methyl-2-Pentanone - BSD	EPA-8260	100	3		50	150	12/07/2022	DLC
4-Methyl-2-Pentanone - BSD	EPA-8260	99.2	10		50	150	12/22/2022	DLC
Toluene - BS	EPA-8260	94.7			71.6	122.1	12/07/2022	DLC
Toluene - BS	EPA-8260	101			71.6	122.1	12/22/2022	DLC
Toluene - BSD	EPA-8260	95.5	1		71.6	122.1	12/07/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	1/5/2023
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22120015
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Toluene - BSD	EPA-8260	98.2	3		71.6	122.1	12/22/2022	DLC
1,1,2-Trichloroethane - BS	EPA-8260	99.0			50	150	12/22/2022	DLC
1,1,2-Trichloroethane - BS	EPA-8260	100			50	150	12/07/2022	DLC
1,1,2-Trichloroethane - BSD	EPA-8260	99.3	0		50	150	12/22/2022	DLC
1,1,2-Trichloroethane - BSD	EPA-8260	98.9	2		50	150	12/07/2022	DLC
2-Hexanone - BS	EPA-8260	100			50	150	12/22/2022	DLC
2-Hexanone - BS	EPA-8260	96.3			50	150	12/07/2022	DLC
2-Hexanone - BSD	EPA-8260	97.3	1		50	150	12/07/2022	DLC
2-Hexanone - BSD	EPA-8260	101	1		50	150	12/22/2022	DLC
Tetrachloroethylene - BS	EPA-8260	98.0			50	150	12/22/2022	DLC
Tetrachloroethylene - BS	EPA-8260	96.4			50	150	12/07/2022	DLC
Tetrachloroethylene - BSD	EPA-8260	101	3		50	150	12/22/2022	DLC
Tetrachloroethylene - BSD	EPA-8260	98.9	3		50	150	12/07/2022	DLC
1,2-Dibromoethane - BS	EPA-8260	101			50	150	12/07/2022	DLC
1,2-Dibromoethane - BS	EPA-8260	103			50	150	12/22/2022	DLC
1,2-Dibromoethane - BSD	EPA-8260	101	0		50	150	12/07/2022	DLC
1,2-Dibromoethane - BSD	EPA-8260	104	1		50	150	12/22/2022	DLC
1,1,1,2-Tetrachloroethane - BS	EPA-8260	103			50	150	12/07/2022	DLC
1,1,1,2-Tetrachloroethane - BS	EPA-8260	96.1			50	150	12/22/2022	DLC
1,1,1,2-Tetrachloroethane - BSD	EPA-8260	98.2	2		50	150	12/22/2022	DLC
1,1,1,2-Tetrachloroethane - BSD	EPA-8260	99.3	3		50	150	12/07/2022	DLC
Ethylbenzene - BS	EPA-8260	96.1			50	150	12/22/2022	DLC
Ethylbenzene - BS	EPA-8260	101			50	150	12/07/2022	DLC
Ethylbenzene - BSD	EPA-8260	98.4	3		50	150	12/07/2022	DLC
Ethylbenzene - BSD	EPA-8260	95.7	0		50	150	12/22/2022	DLC
Isopropylbenzene - BS	EPA-8260	103			50	150	12/07/2022	DLC
Isopropylbenzene - BS	EPA-8260	95.8			50	150	12/22/2022	DLC
Isopropylbenzene - BSD	EPA-8260	102	1		50	150	12/07/2022	DLC
Isopropylbenzene - BSD	EPA-8260	95.0	1		50	150	12/22/2022	DLC
1,1,2,2-Tetrachloroethane - BS	EPA-8260	91.3			50	150	12/07/2022	DLC
1,1,2,2-Tetrachloroethane - BS	EPA-8260	102			50	150	12/22/2022	DLC
1,1,2,2-Tetrachloroethane - BSD	EPA-8260	98.6	3		50	150	12/22/2022	DLC
1,1,2,2-Tetrachloroethane - BSD	EPA-8260	96.2	5		50	150	12/07/2022	DLC
N-Propyl Benzene - BS	EPA-8260	98.4			50	150	12/22/2022	DLC
N-Propyl Benzene - BS	EPA-8260	99.6			50	150	12/07/2022	DLC
N-Propyl Benzene - BSD	EPA-8260	103	3		50	150	12/07/2022	DLC
N-Propyl Benzene - BSD	EPA-8260	94.3	4		50	150	12/22/2022	DLC
1,3,5-Trimethylbenzene - BS	EPA-8260	98.4			50	150	12/22/2022	DLC
1,3,5-Trimethylbenzene - BS	EPA-8260	101			50	150	12/07/2022	DLC
1,3,5-Trimethylbenzene - BSD	EPA-8260	96.4	2		50	150	12/22/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	1/5/2023
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22120015
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
1,3,5-Trimethylbenzene - BSD	EPA-8260	103	2		50	150	12/07/2022	DLC
1,2,4-Trimethylbenzene - BS	EPA-8260	100			50	150	12/07/2022	DLC
1,2,4-Trimethylbenzene - BS	EPA-8260	98.4			50	150	12/22/2022	DLC
1,2,4-Trimethylbenzene - BSD	EPA-8260	97.6	1		50	150	12/22/2022	DLC
1,2,4-Trimethylbenzene - BSD	EPA-8260	103	3		50	150	12/07/2022	DLC
S-Butyl Benzene - BS	EPA-8260	98.3			50	150	12/22/2022	DLC
S-Butyl Benzene - BS	EPA-8260	97.6			50	150	12/07/2022	DLC
S-Butyl Benzene - BSD	EPA-8260	99.9	2		50	150	12/07/2022	DLC
S-Butyl Benzene - BSD	EPA-8260	94.3	4		50	150	12/22/2022	DLC
P-Isopropyltoluene - BS	EPA-8260	98.1			50	150	12/07/2022	DLC
P-Isopropyltoluene - BS	EPA-8260	100			50	150	12/22/2022	DLC
P-Isopropyltoluene - BSD	EPA-8260	97.0	3		50	150	12/22/2022	DLC
P-Isopropyltoluene - BSD	EPA-8260	101	3		50	150	12/07/2022	DLC
Naphthalene - BS	EPA-8260	99.1			50	150	12/07/2022	DLC
Naphthalene - BS	EPA-8260	94.4			50	150	12/22/2022	DLC
Naphthalene - BSD	EPA-8260	106	7		50	150	12/07/2022	DLC
Naphthalene - BSD	EPA-8260	99.9	6		50	150	12/22/2022	DLC
Xylenes - BS	EPA-8260	102			50	150	12/07/2022	DLC
Xylenes - BS	EPA-8260	98.0			50	150	12/22/2022	DLC
Xylenes - BSD	EPA-8260	101	1		50	150	12/07/2022	DLC
Xylenes - BSD	EPA-8260	97.6	0		50	150	12/22/2022	DLC

SR1 - RPD outside of control limits.

ALS Test Batch ID: 187214 - Water by EPA-8260

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Vinyl Chloride - BS	EPA-8260	116			50	150	12/07/2022	DLC
Vinyl Chloride - BSD	EPA-8260	110	5		50	150	12/07/2022	DLC
Chloroethane - BS	EPA-8260	114			50	150	12/07/2022	DLC
Chloroethane - BSD	EPA-8260	109	4		50	150	12/07/2022	DLC
Carbon Tetrachloride - BS	EPA-8260	121			50	150	12/07/2022	DLC
Carbon Tetrachloride - BSD	EPA-8260	116	5		50	150	12/07/2022	DLC
Carbon Disulfide - BS	EPA-8260	111			50	150	12/07/2022	DLC
Carbon Disulfide - BSD	EPA-8260	107	4		50	150	12/07/2022	DLC
Acetone - BS	EPA-8260	124			50	150	12/07/2022	DLC
Acetone - BSD	EPA-8260	111	11		50	150	12/07/2022	DLC
1,1-Dichloroethene - BS	EPA-8260	112			72.5	136	12/07/2022	DLC
1,1-Dichloroethene - BSD	EPA-8260	107	5		72.5	136	12/07/2022	DLC
Methylene Chloride - BS	EPA-8260	108			50	150	12/07/2022	DLC
Methylene Chloride - BSD	EPA-8260	106	2		50	150	12/07/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	1/5/2023
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22120015
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Methyl T-Butyl Ether - BS	EPA-8260	108			50	150	12/07/2022	DLC
Methyl T-Butyl Ether - BSD	EPA-8260	107	1		50	150	12/07/2022	DLC
Trans-1,2-Dichloroethene - BS	EPA-8260	113			50	150	12/07/2022	DLC
Trans-1,2-Dichloroethene - BSD	EPA-8260	109	3		50	150	12/07/2022	DLC
1,1-Dichloroethane - BS	EPA-8260	111			50	150	12/07/2022	DLC
1,1-Dichloroethane - BSD	EPA-8260	108	3		50	150	12/07/2022	DLC
2-Butanone - BS	EPA-8260	109			50	150	12/07/2022	DLC
2-Butanone - BSD	EPA-8260	102	7		50	150	12/07/2022	DLC
Cis-1,2-Dichloroethene - BS	EPA-8260	110			50	150	12/07/2022	DLC
Cis-1,2-Dichloroethene - BSD	EPA-8260	107	3		50	150	12/07/2022	DLC
Chloroform - BS	EPA-8260	101			50	150	12/07/2022	DLC
Chloroform - BSD	EPA-8260	98.4	3		50	150	12/07/2022	DLC
1,1,1-Trichloroethane - BS	EPA-8260	114			50	150	12/07/2022	DLC
1,1,1-Trichloroethane - BSD	EPA-8260	109	4		50	150	12/07/2022	DLC
1,2-Dichloroethane - BS	EPA-8260	102			50	150	12/07/2022	DLC
1,2-Dichloroethane - BSD	EPA-8260	101	2		50	150	12/07/2022	DLC
Benzene - BS	EPA-8260	105			74.7	143	12/07/2022	DLC
Benzene - BSD	EPA-8260	103	3		74.7	143	12/07/2022	DLC
Trichloroethene - BS	EPA-8260	109			74.4	141	12/07/2022	DLC
Trichloroethene - BSD	EPA-8260	106	3		74.4	141	12/07/2022	DLC
1,2-Dichloropropane - BS	EPA-8260	105			50	150	12/07/2022	DLC
1,2-Dichloropropane - BSD	EPA-8260	103	2		50	150	12/07/2022	DLC
4-Methyl-2-Pentanone - BS	EPA-8260	100			50	150	12/07/2022	DLC
4-Methyl-2-Pentanone - BSD	EPA-8260	99.6	1		50	150	12/07/2022	DLC
Toluene - BS	EPA-8260	112			71.7	139	12/07/2022	DLC
Toluene - BSD	EPA-8260	109	2		71.7	139	12/07/2022	DLC
1,1,2-Trichloroethane - BS	EPA-8260	106			50	150	12/07/2022	DLC
1,1,2-Trichloroethane - BSD	EPA-8260	105	1		50	150	12/07/2022	DLC
2-Hexanone - BS	EPA-8260	107			50	150	12/07/2022	DLC
2-Hexanone - BSD	EPA-8260	102	5		50	150	12/07/2022	DLC
Tetrachloroethylene - BS	EPA-8260	112			50	150	12/07/2022	DLC
Tetrachloroethylene - BSD	EPA-8260	109	2		50	150	12/07/2022	DLC
1,2-Dibromoethane - BS	EPA-8260	115			50	150	12/07/2022	DLC
1,2-Dibromoethane - BSD	EPA-8260	114	1		50	150	12/07/2022	DLC
1,1,1,2-Tetrachloroethane - BS	EPA-8260	110			50	150	12/07/2022	DLC
1,1,1,2-Tetrachloroethane - BSD	EPA-8260	109	1		50	150	12/07/2022	DLC
Ethylbenzene - BS	EPA-8260	113			50	150	12/07/2022	DLC
Ethylbenzene - BSD	EPA-8260	110	3		50	150	12/07/2022	DLC
Isopropylbenzene - BS	EPA-8260	113			50	150	12/07/2022	DLC
Isopropylbenzene - BSD	EPA-8260	110	2		50	150	12/07/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	1/5/2023
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22120015
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
1,1,2,2-Tetrachloroethane - BS	EPA-8260	102			50	150	12/07/2022	DLC
1,1,2,2-Tetrachloroethane - BSD	EPA-8260	102	0		50	150	12/07/2022	DLC
N-Propyl Benzene - BS	EPA-8260	108			50	150	12/07/2022	DLC
N-Propyl Benzene - BSD	EPA-8260	106	2		50	150	12/07/2022	DLC
1,3,5-Trimethylbenzene - BS	EPA-8260	113			50	150	12/07/2022	DLC
1,3,5-Trimethylbenzene - BSD	EPA-8260	112	1		50	150	12/07/2022	DLC
1,2,4-Trimethylbenzene - BS	EPA-8260	114			50	150	12/07/2022	DLC
1,2,4-Trimethylbenzene - BSD	EPA-8260	114	0		50	150	12/07/2022	DLC
S-Butyl Benzene - BS	EPA-8260	109			50	150	12/07/2022	DLC
S-Butyl Benzene - BSD	EPA-8260	108	1		50	150	12/07/2022	DLC
P-Isopropyltoluene - BS	EPA-8260	111			50	150	12/07/2022	DLC
P-Isopropyltoluene - BSD	EPA-8260	111	0		50	150	12/07/2022	DLC
Naphthalene - BS	EPA-8260	93.5			50	150	12/07/2022	DLC
Naphthalene - BSD	EPA-8260	102	9		50	150	12/07/2022	DLC
Xylenes - BS	EPA-8260	112			50	150	12/07/2022	DLC
Xylenes - BSD	EPA-8260	109	3		50	150	12/07/2022	DLC

ALS Test Batch ID: R423736 - Water by EPA-8270M

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
1,4-Dioxane - BS	EPA-8270M	33.0			20	120	12/06/2022	OSE
1,4-Dioxane - BSD	EPA-8270M	37.0	11		20	120	12/06/2022	OSE



CERTIFICATE OF ANALYSIS

CLIENT:	Landau Associates, Inc. 155 NE 100th St, Ste 302 Seattle, WA 98125	DATE:	1/5/2023
CLIENT CONTACT:	Stephanie Renando	ALS SDG#:	EV22120015
CLIENT PROJECT:	TECT RI - 222057.040.043	WDOE ACCREDITATION:	C601

MATRIX SPIKE RESULTS

ALS Test Batch ID: 187214 - Water
Parent Sample: RISB-71-GW-221201

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	SPIKE ADDED	PARENT SAMPLE		LIMITS			ANALYSIS DATE	ANALYSIS BY
						RESULT	RESULT	MIN	MAX	RPD		
Vinyl Chloride - MS	EPA-8260	136			10.0	0.78	14.4	50	150		12/08/2022	DLC
Vinyl Chloride - MSD	EPA-8260	139	2		10.0	0.78	14.6	50	150	25	12/08/2022	DLC
Chloroethane - MS	EPA-8260	135			10.0	0	13.5	50	150		12/08/2022	DLC
Chloroethane - MSD	EPA-8260	139	2		10.0	0	13.9	50	150	25	12/08/2022	DLC
Carbon Tetrachloride - MS	EPA-8260	146			10.0	0	14.6	50	150		12/08/2022	DLC
Carbon Tetrachloride - MSD	EPA-8260	149	2		10.0	0	14.9	50	150	25	12/08/2022	DLC
Carbon Disulfide - MS	EPA-8260	136			10.0	0.57	14.1	50	150		12/08/2022	DLC
Carbon Disulfide - MSD	EPA-8260	138	2		10.0	0.57	14.4	50	150	25	12/08/2022	DLC
Acetone - MS	EPA-8260	34.1		SQ2	10.0	12	15.6	50	150		12/08/2022	DLC
Acetone - MSD	EPA-8260	32.0	1	SQ2	10.0	12	15.4	50	150	25	12/08/2022	DLC
1,1-Dichloroethene - MS	EPA-8260	135			10.0	0.12	13.6	72.5	136		12/08/2022	DLC
1,1-Dichloroethene - MSD	EPA-8260	138	2	SQ2	10.0	0.12	13.9	72.5	136	20.5	12/08/2022	DLC
Methylene Chloride - MS	EPA-8260	134			10.0	0	13.4	50	150		12/08/2022	DLC
Methylene Chloride - MSD	EPA-8260	138	3		10.0	0	13.8	50	150	25	12/08/2022	DLC
Methyl T-Butyl Ether - MS	EPA-8260	129			10.0	0	12.9	50	150		12/08/2022	DLC
Methyl T-Butyl Ether - MSD	EPA-8260	132	2		10.0	0	13.2	50	150	25	12/08/2022	DLC
Trans-1,2-Dichloroethene - MS	EPA-8260	140			10.0	0.12	14.1	50	150		12/08/2022	DLC
Trans-1,2-Dichloroethene - MSD	EPA-8260	143	2		10.0	0.12	14.4	50	150	25	12/08/2022	DLC
1,1-Dichloroethane - MS	EPA-8260	132			10.0	0.16	13.4	50	150		12/08/2022	DLC
1,1-Dichloroethane - MSD	EPA-8260	135	2		10.0	0.16	13.6	50	150	25	12/08/2022	DLC
2-Butanone - MS	EPA-8260	212		SQ2	10.0	0	21.2	50	150		12/08/2022	DLC
2-Butanone - MSD	EPA-8260	210	1	SQ2	10.0	0	21.0	50	150	25	12/08/2022	DLC
Cis-1,2-Dichloroethene - MS	EPA-8260	142			10.0	10	24.6	50	150		12/08/2022	DLC
Cis-1,2-Dichloroethene - MSD	EPA-8260	147	2		10.0	10	25.1	50	150	25	12/08/2022	DLC
Chloroform - MS	EPA-8260	118			10.0	0	11.8	50	150		12/08/2022	DLC
Chloroform - MSD	EPA-8260	119	2		10.0	0	11.9	50	150	25	12/08/2022	DLC
1,1,1-Trichloroethane - MS	EPA-8260	136			10.0	0	13.6	50	150		12/08/2022	DLC
1,1,1-Trichloroethane - MSD	EPA-8260	140	2		10.0	0	14.0	50	150	25	12/08/2022	DLC
1,2-Dichloroethane - MS	EPA-8260	118			10.0	0	11.8	50	150		12/08/2022	DLC
1,2-Dichloroethane - MSD	EPA-8260	119	1		10.0	0	11.9	50	150	25	12/08/2022	DLC
Benzene - MS	EPA-8260	124			10.0	0.23	12.6	74.7	143		12/08/2022	DLC
Benzene - MSD	EPA-8260	125	1		10.0	0.23	12.8	74.7	143	20.5	12/08/2022	DLC
Trichloroethene - MS	EPA-8260	178		SQ2	10.0	22	40.2	74.4	141		12/08/2022	DLC
Trichloroethene - MSD	EPA-8260	185	2	SQ2	10.0	22	41.0	74.4	141	20.5	12/08/2022	DLC
1,2-Dichloropropane - MS	EPA-8260	123			10.0	0	12.3	50	150		12/08/2022	DLC
1,2-Dichloropropane - MSD	EPA-8260	124	1		10.0	0	12.4	50	150	25	12/08/2022	DLC
4-Methyl-2-Pentanone - MS	EPA-8260	122			10.0	0	12.2	50	150		12/08/2022	DLC
4-Methyl-2-Pentanone - MSD	EPA-8260	123	1		10.0	0	12.3	50	150	25	12/08/2022	DLC



CERTIFICATE OF ANALYSIS

CLIENT: Landau Associates, Inc.
155 NE 100th St, Ste 302
Seattle, WA 98125

DATE: 1/5/2023
ALS SDG#: EV22120015
WDOE ACCREDITATION: C601

CLIENT CONTACT: Stephanie Renando
CLIENT PROJECT: TECT RI - 222057.040.043

MATRIX SPIKE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	SPIKE ADDED	PARENT SAMPLE RESULT	LIMITS			ANALYSIS DATE	ANALYSIS BY	
							RESULT	MIN	MAX			
Toluene - MS	EPA-8260	137			10.0	0	13.7	71.7	139		12/08/2022	DLC
Toluene - MSD	EPA-8260	139	1		10.0	0	13.9	71.7	139	20.5	12/08/2022	DLC
1,1,2-Trichloroethane - MS	EPA-8260	128			10.0	0	12.8	50	150		12/08/2022	DLC
1,1,2-Trichloroethane - MSD	EPA-8260	127	0		10.0	0	12.7	50	150	25	12/08/2022	DLC
2-Hexanone - MS	EPA-8260	129			10.0	0	12.9	50	150		12/08/2022	DLC
2-Hexanone - MSD	EPA-8260	129	0		10.0	0	12.9	50	150	25	12/08/2022	DLC
Tetrachloroethylene - MS	EPA-8260	79.5			10.0	0.024	7.97	50	150		12/08/2022	DLC
Tetrachloroethylene - MSD	EPA-8260	80.0	1		10.0	0.024	8.02	50	150	25	12/08/2022	DLC
1,2-Dibromoethane - MS	EPA-8260	141			10.0	0	14.1	50	150		12/08/2022	DLC
1,2-Dibromoethane - MSD	EPA-8260	141	0		10.0	0	14.1	50	150	25	12/08/2022	DLC
1,1,1,2-Tetrachloroethane - MS	EPA-8260	133			10.0	0	13.3	50	150		12/08/2022	DLC
1,1,1,2-Tetrachloroethane - MSD	EPA-8260	133	0		10.0	0	13.3	50	150	25	12/08/2022	DLC
Ethylbenzene - MS	EPA-8260	138			10.0	0	13.8	50	150		12/08/2022	DLC
Ethylbenzene - MSD	EPA-8260	138	0		10.0	0	13.8	50	150	25	12/08/2022	DLC
Isopropylbenzene - MS	EPA-8260	140			10.0	0	14.0	50	150		12/08/2022	DLC
Isopropylbenzene - MSD	EPA-8260	140	0		10.0	0	14.0	50	150	25	12/08/2022	DLC
1,1,2,2-Tetrachloroethane - MS	EPA-8260	141			10.0	0	14.1	50	150		12/08/2022	DLC
1,1,2,2-Tetrachloroethane - MSD	EPA-8260	140	1		10.0	0	14.0	50	150	25	12/08/2022	DLC
N-Propyl Benzene - MS	EPA-8260	137			10.0	0	13.7	50	150		12/08/2022	DLC
N-Propyl Benzene - MSD	EPA-8260	137	0		10.0	0	13.7	50	150	25	12/08/2022	DLC
1,3,5-Trimethylbenzene - MS	EPA-8260	143			10.0	0	14.3	50	150		12/08/2022	DLC
1,3,5-Trimethylbenzene - MSD	EPA-8260	143	0		10.0	0	14.3	50	150	25	12/08/2022	DLC
1,2,4-Trimethylbenzene - MS	EPA-8260	146			10.0	0	14.6	50	150		12/08/2022	DLC
1,2,4-Trimethylbenzene - MSD	EPA-8260	146	0		10.0	0	14.6	50	150	25	12/08/2022	DLC
S-Butyl Benzene - MS	EPA-8260	141			10.0	0	14.1	50	150		12/08/2022	DLC
S-Butyl Benzene - MSD	EPA-8260	140	0		10.0	0	14.0	50	150	25	12/08/2022	DLC
P-Isopropyltoluene - MS	EPA-8260	148			10.0	0	14.8	50	150		12/08/2022	DLC
P-Isopropyltoluene - MSD	EPA-8260	147	1		10.0	0	14.7	50	150	25	12/08/2022	DLC
Naphthalene - MS	EPA-8260	139			10.0	0	13.9	50	150		12/08/2022	DLC
Naphthalene - MSD	EPA-8260	136	2		10.0	0	13.6	50	150	25	12/08/2022	DLC
Xylenes - MS	EPA-8260	138			30.0	0	41.3	50	150		12/08/2022	DLC
Xylenes - MSD	EPA-8260	138	1		30.0	0	41.5	50	150	25	12/08/2022	DLC

SQ2 - Spike outside of control limits due to matrix effect.

APPROVED BY

Laboratory Director



Chain-of-Custody Record

EV22120015

- North Seattle (206) 631-8660
- Tacoma (253) 926-2493
- Olympia (360) 791-3178

- Spokane (509) 327-9737
- Portland (503) 542-1080
- _____

Date 12/1/22
 Page 1 of 1

Turnaround Time: _____
 Standard _____
 Accelerated _____

Project Name TECT RI Project No. _____
 Project Location/Event Everett, WA / Phase III
 Sampler's Name Devon Borandt / Adam Torvesik
 Project Contact Stephanie Renando
 Send Results To Stephanie Renando, Jerry Ninteman & DATA

Testing Parameters

WWS (B2602)
1,4 Dioxane

Special Handling Requirements: _____

Shipment Method: Drop off

Stored on ice: Yes / No

Sample I.D.	Date	Time	Matrix	No. of Containers																Observations/Comments	
1 Trip Blanks	—	—	AQ	2	X																
2 DUP-SOIL-221201	12/1/22	1300	SOIL	5	X															— Allow water samples to settle, collect aliquot from clear portion <input type="checkbox"/>	
3 RISB-71-(9-10')	12/1/22	1530	SOIL	5	X															— NWTPH-Dx - Acid wash cleanup <input type="checkbox"/>	
4 RISB-71-(19-20')	12/1/22	1600	SOIL	5	X															— Silica gel cleanup <input type="checkbox"/>	
5 RISB-71-GW-221201	12/1/22	1610	AQ	12	X	X														— Dissolved metal samples were field filtered	
6 RISB-71-(29-30')	12/2/22	0920	SOIL	5	X																
																					Other _____

Relinquished by
 Signature [Signature]
 Printed Name Adam Torvesik
 Company LA1
 Date 12/2/2022 Time 11:45

Received by
 Signature [Signature]
 Printed Name Neeraj Iturza-Gomara
 Company ALS
 Date 12-2-22 Time 12:00

Relinquished by
 Signature _____
 Printed Name _____
 Company _____
 Date _____ Time _____

Received by
 Signature _____
 Printed Name _____
 Company _____
 Date _____ Time _____

ALS ENVIRONMENTAL

Sample Receiving Checklist

Client: Landau Associates

ALS Job #: Ev22120015

Project: Tect RI

Received Date: 12-2-22 Received Time: 12:00 By: MH

Type of shipping container: Cooler Box Other

Shipped via: FedEx Ground UPS Mail Courier Hand Delivered
FedEx Express

	<u>Yes</u>	<u>No</u>	<u>N/A</u>
Were custody seals on outside of shipping container?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
If yes, how many? _____ Where? _____			
Custody seal date: _____ Seal name: _____			

Was Chain of Custody properly filled out (ink, signed, dated, etc.)?

Did all bottles have labels?

Did all bottle labels and tags agree with Chain of Custody?

Were samples received within hold time?

Did all bottles arrive in good condition (unbroken, etc.)?

Was sufficient amount of sample sent for the tests indicated?

Was correct preservation added to samples?

If no, Sample Control added preservative to the following:

<u>Sample Number</u>	<u>Reagent</u>	<u>Analyte</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

4 High kits

Were VOA vials checked for absence of air bubbles?

Bubbles present in sample #: none

Temperature of cooler upon receipt: 2.3°C Cold Cool Ambient N/A

Explain any discrepancies: _____

Was client contacted? _____ Who was called? _____ By whom? _____ Date: _____

Outcome of call: _____



ALS Environmental
ALS Group USA, Corp
1317 South 13th Avenue
Kelso, WA 98626
T : +1 360 577 7222
F : +1 360 636 1068
www.alsglobal.com

December 08, 2022

Analytical Report for Service Request No: K2213734

Glen Perry
ALS Environmental - US
8620 Holly Drive, Suite 100
Everett, WA 98208

RE: EV22110079

Dear Glen,

Enclosed are the results of the sample(s) submitted to our laboratory November 18, 2022
For your reference, these analyses have been assigned our service request number **K2213734**.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. All results are intended to be considered in their entirety, and ALS Group USA Corp. dba ALS Environmental (ALS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please contact me if you have any questions. My extension is 3377. You may also contact me via email at Sydney.Wolf@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Sydney A. Wolf
Project Manager



ALS Environmental
ALS Group USA, Corp
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Kelso, WA 98626
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www.alsglobal.com

Table of Contents

Acronyms

Qualifiers

State Certifications, Accreditations, And Licenses

Case Narrative

Chain of Custody

Total Solids

General Chemistry

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LOD	Limit of Detection
LOQ	Limit of Quantitation
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Inorganic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated value.
- U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
DOD-QSM 4.2 definition : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
- i The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
- X See case narrative.
- Q See case narrative. One or more quality control criteria was outside the limits.
- H The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory.

Metals Data Qualifiers

- # The control limit criteria is not applicable.
- J The result is an estimated value.
- E The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
- M The duplicate injection precision was not met.
- N The Matrix Spike sample recovery is not within control limits. See case narrative.
- S The reported value was determined by the Method of Standard Additions (MSA).
- U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
DOD-QSM 4.2 definition : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
- W The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
 - i The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
- X See case narrative.
- + The correlation coefficient for the MSA is less than 0.995.
- Q See case narrative. One or more quality control criteria was outside the limits.

Organic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- A A tentatively identified compound, a suspected aldol-condensation product.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
- C The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
- D The reported result is from a dilution.
- E The result is an estimated value.
- J The result is an estimated value.
- N The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
- P The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results.
- U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
DOD-QSM 4.2 definition : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
 - i The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference.
- X See case narrative.
- Q See case narrative. One or more quality control criteria was outside the limits.

Additional Petroleum Hydrocarbon Specific Qualifiers

- F The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
- L The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
- H The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
- O The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
- Y The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
- Z The chromatographic fingerprint does not resemble a petroleum product.

**ALS Group USA Corp. dba ALS Environmental (ALS) - Kelso
State Certifications, Accreditations, and Licenses**

Agency	Web Site	Number
Alaska DEH	http://dec.alaska.gov/eh/lab/cs/csapproval.htm	UST-040
Arizona DHS	http://www.azdhs.gov/lab/license/env.htm	AZ0339
Arkansas - DEQ	http://www.adeq.state.ar.us/techsvs/labcert.htm	88-0637
California DHS (ELAP)	http://www.cdph.ca.gov/certlic/labs/Pages/ELAP.aspx	2795
DOD ELAP	http://www.denix.osd.mil/edqw/Accreditation/AccreditedLabs.cfm	L16-58-R4
Florida DOH	http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm	E87412
Hawaii DOH	http://health.hawaii.gov/	-
ISO 17025	http://www.pjlabs.com/	L16-57
Louisiana DEQ	http://www.deq.louisiana.gov/page/la-lab-accreditation	03016
Maine DHS	http://www.maine.gov/dhhs/	WA01276
Minnesota DOH	http://www.health.state.mn.us/accreditation	053-999-457
Nevada DEP	http://ndep.nv.gov/bsdw/labservice.htm	WA01276
New Jersey DEP	http://www.nj.gov/dep/enforcement/oqa.html	WA005
New York - DOH	https://www.wadsworth.org/regulatory/elap	12060
North Carolina DEQ	https://deq.nc.gov/about/divisions/water-resources/water-resources-data/water-sciences-home-page/laboratory-certification-branch/non-field-lab-certification	605
Oklahoma DEQ	http://www.deq.state.ok.us/CSDnew/labcert.htm	9801
Oregon – DEQ (NELAP)	http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	WA100010
South Carolina DHEC	http://www.scdhec.gov/environment/EnvironmentalLabCertification/	61002
Texas CEQ	http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html	T104704427
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C544
Wyoming (EPA Region 8)	https://www.epa.gov/region8-waterops/epa-region-8-certified-drinking-water	-
Kelso Laboratory Website	www.alsglobal.com	NA

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. A complete listing of specific NELAP-certified analytes, can be found in the certification section at www.ALSGlobal.com or at the accreditation bodies web site.

Please refer to the certification and/or accreditation body's web site if samples are submitted for compliance purposes. The states highlighted above, require the analysis be listed on the state certification if used for compliance purposes and if the method/analyte is offered by that state.



Case Narrative

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360)577-7222 Fax (360)636-1068
www.alsglobal.com



Client: ALS Environmental - US
Project: EV22110079
Sample Matrix: Soil

Service Request: K2213734
Date Received: 11/18/2022

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

Sample Receipt:

Two soil samples were received for analysis at ALS Environmental on 11/18/2022. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

General Chemistry:

No significant anomalies were noted with this analysis.

Approved by 

Date 12/08/2022



Chain of Custody

ALS Environmental—Kelso Laboratory
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Phone (360)577-7222 Fax (360)636-1068
www.alsglobal.com



ALS Environmental
 8620 Holly Drive, Suite 100
 Everett, WA 98208
 Phone (425) 356-2600
 Fax (425) 356-2626
 http://www.alsglobal.com

Chain Of Custody/ Laboratory Analysis Request

ALS Job# _____ (Laboratory Use Only)

K2213734

Date 11/17/22 Page 1 Of 1

PROJECT ID: <u>EV22110079</u>					ANALYSIS REQUESTED												OTHER (Specify)							
REPORT TO COMPANY: <u>ALS Environmental</u>					NWTPH-HCID NWTPH-DX NWTPH-GX BTEX by EPA 8021 MTBE by EPA 8021 Halogenated Volatiles by EPA 8260 Volatile Organic Compounds by EPA 8260 EDB / EDC by EPA 8260 SIM (water) EDB / EDC by EPA 8260 (soil) Semivolatile Organic Compounds by EPA 8270 Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM PCB by EPA 8082 Metals-MTCA-5 Metals Other (Specify) TCLP-Metals VOA Semi-Vol Post Herbs <u>TBC by ASTM D4129-05</u>	Pesticides by EPA 8081 RCRA-8 Pri Pol TAL	Metals Other (Specify)	VOA Semi-Vol Post Herbs	<u>Gran Size/Particle Size by ASTM D422</u>	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?	ADDRESS: <u>8620 Holly Drive #100</u>		E-MAIL: <u>glen.perry@alsglobal.com</u>		ATTENTION: <u>Same</u>								
ADDRESS: <u>Everett WA 98208</u>		PHONE: <u>(425) 356-2600</u> P.O. #: <u>32-EV22110079</u>		INVOICE TO COMPANY:								ADDRESS:												
PROJECT MANAGER: <u>Glen Perry</u>		E-MAIL: <u>glen.perry@alsglobal.com</u>		ATTENTION: <u>Same</u>								ADDRESS:												
PROJECT MANAGER: <u>Glen Perry</u>		E-MAIL: <u>glen.perry@alsglobal.com</u>		ATTENTION: <u>Same</u>								ADDRESS:												
PROJECT MANAGER: <u>Glen Perry</u>		E-MAIL: <u>glen.perry@alsglobal.com</u>		ATTENTION: <u>Same</u>								ADDRESS:												
PROJECT MANAGER: <u>Glen Perry</u>		E-MAIL: <u>glen.perry@alsglobal.com</u>		ATTENTION: <u>Same</u>								ADDRESS:												
PROJECT MANAGER: <u>Glen Perry</u>		E-MAIL: <u>glen.perry@alsglobal.com</u>		ATTENTION: <u>Same</u>								ADDRESS:												
PROJECT MANAGER: <u>Glen Perry</u>		E-MAIL: <u>glen.perry@alsglobal.com</u>		ATTENTION: <u>Same</u>								ADDRESS:												
PROJECT MANAGER: <u>Glen Perry</u>		E-MAIL: <u>glen.perry@alsglobal.com</u>		ATTENTION: <u>Same</u>								ADDRESS:												
PROJECT MANAGER: <u>Glen Perry</u>		E-MAIL: <u>glen.perry@alsglobal.com</u>		ATTENTION: <u>Same</u>								ADDRESS:												
SAMPLE I.D.					DATE					TIME					TYPE					LAB#				
1. <u>EV22110079-01</u>					<u>11/10/22</u>					<u>1640</u>					<u>S</u>									
2. <u>EV22110079-02</u>					<u>11/11/22</u>					<u>1200</u>					<u>S</u>									
3.																								
4.																								
5.																								
6.																								
7.																								
8.																								
9.																								
10.																								

SPECIAL INSTRUCTIONS Please email results by noon 11/29/22 ms/msd

SIGNATURES (Name, Company, Date, Time):
 1. Relinquished By: Shawn Robinson ALS 11/17/22 1328
 Received By: M. Reuber ALS 11/18/22 0940
 2. Relinquished By: _____
 Received By: _____

TURNAROUND REQUESTED in Business Days*
 Organic, Metals & Inorganic Analysis
 10 Standard 5 3 2 1 SAME DAY
 Fuels & Hydrocarbon Analysis
 5 Standard 3 1 SAME DAY
 OTHER: _____
 Specify: _____

*Turnaround request less than standard may incur Rush Charges

Cooler Receipt and Preservation Form

Client AIS Everett Service Request K22 13734
Received: 11/18/22 Opened: 11/18/22 By: MP Unloaded: 11/18/22 By: MP

- 1. Samples were received via? USPS Fed Ex UPS DHL PDX Courier Hand Delivered
- 2. Samples were received in: (circle) Cooler Box Envelope Other _____ NA
- 3. Were custody seals on coolers? NA Y N If yes, how many and where? _____
If present, were custody seals intact? Y N If present, were they signed and dated? Y N

Temp Blank	Sample Temp	IR Gun	Cooler #/COC ID / NA	Out of temp Indicate with 'X'	PM Notified if out of temp	Tracking Number NA	Filed
	<u>1.5MP = 12.01</u> <u>1.5</u>					<u>770530185099</u>	

- 4. Was a Temperature Blank present in cooler? NA Y N If yes, note the temperature in the appropriate column above:
If no, take the temperature of a representative sample bottle contained within the cooler; notate in the column "Sample Temp":
- 5. Were samples received within the method specified temperature ranges? NA Y N
If no, were they received on ice and same day as collected? If not, notate the cooler # below and notify the PM. NA Y N
- If applicable, tissue samples were received: Frozen Partially Thawed Thawed
- 6. Packing material: Inserts Baggies Bubble Wrap Gel Packs Wet Ice Dry Ice Sleeves PAPER
- 7. Were custody papers properly filled out (ink, signed, etc.)? NA Y N
- 8. Were samples received in good condition (unbroken) NA Y N
- 9. Were all sample labels complete (ie, analysis, preservation, etc.)? NA Y N
- 10. Did all sample labels and tags agree with custody papers? NA Y N
- 11. Were appropriate bottles/containers and volumes received for the tests indicated? NA Y N
- 12. Were the pH-preserved bottles (see SMO GEN SOP) received at the appropriate pH? Indicate in the table below NA Y N
- 13. Were VOA vials received without headspace? Indicate in the table below NA Y N
- 14. Was C12/Res negative? NA Y N
- 15. Were 100ml sterile microbiology bottles filled exactly to the 100ml mark? NA Y N Under filled Overfilled

Sample ID on Bottle	Sample ID on COC	Identified by:

Sample ID	Bottle Count	Bottle Type	Head-space	Broken	pH	Reagent	Volume added	Reagent Lot Number	Initials	Time

Notes, Discrepancies, Resolutions: _____



Total Solids

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360)577-7222 Fax (360)636-1068
www.alsglobal.com

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: ALS Environmental - US
Project: EV22110079
Sample Matrix: Soil
Analysis Method: 160.3 Modified
Prep Method: None

Service Request: K2213734
Date Collected: 11/10/22 - 11/11/22
Date Received: 11/18/22
Units: Percent
Basis: As Received

Solids, Total

Sample Name	Lab Code	Result	MRL	Dil.	Date Analyzed	Q
EV22110079-01	K2213734-001	80.7	-	1	11/21/22 09:26	
EV22110079-02	K2213734-002	81.4	-	1	11/21/22 09:26	

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client: ALS Environmental - US
Project EV22110079
Sample Matrix: Soil

Service Request: K2213734
Date Collected: 11/11/22
Date Received: 11/18/22
Date Analyzed: 11/21/22

Replicate Sample Summary
Inorganic Parameters

Sample Name: EV22110079-02
Lab Code: K2213734-002

Units: Percent
Basis: As Received

<u>Analyte Name</u>	<u>Analysis Method</u>	<u>MRL</u>	<u>Sample Result</u>	<u>Duplicate Sample K2213734-002DUP Result</u>	<u>Average</u>	<u>RPD</u>	<u>RPD Limit</u>
Solids, Total	160.3 Modified	-	81.4	81.2	81.3	<1	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.



General Chemistry

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360)577-7222 Fax (360)636-1068
www.alsglobal.com

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: ALS Environmental - US
Project: EV22110079
Sample Matrix: Soil
Analysis Method: ASTM D4129-05 Modified
Prep Method: ALS SOP

Service Request: K2213734
Date Collected: 11/10/22 - 11/11/22
Date Received: 11/18/22
Units: Percent
Basis: Dry, per Method

Carbon, Total Organic (TOC)

Sample Name	Lab Code	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
EV22110079-01	K2213734-001	0.126	0.050	1	12/06/22 11:30	12/5/22	
EV22110079-02	K2213734-002	0.055	0.050	1	12/06/22 11:30	12/5/22	
Method Blank	K2213734-MB	ND U	0.050	1	12/06/22 11:30	12/5/22	

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client: ALS Environmental - US
Project: EV22110079
Sample Matrix: Soil

Service Request: K2213734
Date Collected: 11/10/22
Date Received: 11/18/22
Date Analyzed: 12/06/22

Replicate Sample Summary
General Chemistry Parameters

Sample Name: EV22110079-01
Lab Code: K2213734-001

Units: Percent
Basis: Dry, per Method

<u>Analyte Name</u>	<u>Analysis Method</u>	<u>MRL</u>	<u>Sample Result</u>	<u>Duplicate Sample K2213734-001DUP Result</u>	<u>Average</u>	<u>RPD</u>	<u>RPD Limit</u>
Carbon, Total Organic (TOC)	ASTM D4129-05 Modified	0.050	0.126	0.133	0.129	6	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: ALS Environmental - US
Project: EV22110079
Sample Matrix: Soil

Service Request: K2213734
Date Collected: 11/10/22
Date Received: 11/18/22
Date Analyzed: 12/6/22
Date Extracted: 12/5/22

Duplicate Matrix Spike Summary
Carbon, Total Organic (TOC)

Sample Name: EV22110079-01
Lab Code: K2213734-001
Analysis Method: ASTM D4129-05 Modified
Prep Method: ALS SOP

Units: Percent
Basis: Dry, per Method

Analyte Name	Matrix Spike K2213734-001MS				Duplicate Matrix Spike K2213734-001DMS				% Rec Limits	RPD	RPD Limit
	Sample Result	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec				
Carbon, Total Organic (TOC)	0.126	3.63	3.48	101	3.62	3.48	101	70-122	<1	20	

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: ALS Environmental - US
Project: EV22110079
Sample Matrix: Soil

Service Request: K2213734
Date Analyzed: 12/06/22
Date Extracted: 12/05/22

Lab Control Sample Summary
Carbon, Total Organic (TOC)

Analysis Method: ASTM D4129-05 Modified
Prep Method: ALS SOP

Units: Percent
Basis: Dry, per Method
Analysis Lot: 787473

Sample Name	Lab Code	Result	Spike Amount	% Rec	% Rec Limits
Lab Control Sample	K2213734-LCS	4.42	4.40	101	72-122

ALS Group USA, Corp.

dba ALS Environmental

Analytical Report

Client: ALS Environmental - US
Project: EV22110079
Sample Matrix: Soil

Service Request: K2213734
Date Collected: 11/10/22
Date Received: 11/18/22
Date Analyzed: 12/01/22

Particle Size Determination
ASTM D422M

Sample Name: EV22110079-01
Lab Code: K2213734-001

Sand Fraction: Weight (Grams) 15.3760
Sand Fraction: Weight Recovered (Grams) 15.4332
Sand Fraction: Percent Recovery 100.37

Weight as received (Grams)	31.428
Percent Solids	93.6
Weight Oven-Dried (Grams)	29.4166

Description	Sieve Size	Sieve Number	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel, Medium	4.75 mm	4	2.7181	9.24
Gravel, Fine	2.00 mm	10	1.3161	4.47
Sand, Very Coarse	0.850 mm	20	1.6254	5.53
Sand, Coarse	0.425 mm	40	1.9709	6.70
Sand, Medium	0.250 mm	60	0.2306	0.78
Sand, Fine	0.106 mm	140	6.0942	20.72
Sand, Very Fine	0.075 mm	200	1.3652	4.64
Silt			10.7300	36.48
Clay			3.1300	10.64
Total			29.1805	99.20

ALS Group USA, Corp.

dba ALS Environmental

Analytical Report

Client: ALS Environmental - US
Project: EV22110079
Sample Matrix: Soil

Service Request: K2213734
Date Collected: 11/10/22
Date Received: 11/18/22
Date Analyzed: 12/01/22

Particle Size Determination
ASTM D422M

Sample Name: EV22110079-01
Lab Code: K2213734-001DUP

Sand Fraction: Weight (Grams) 14.8898
Sand Fraction: Weight Recovered (Grams) 14.8865
Sand Fraction: Percent Recovery 99.98

Weight as received (Grams)	31.437
Percent Solids	91.7
Weight Oven-Dried (Grams)	28.8277

Description	Sieve Size	Sieve Number	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel, Medium	4.75 mm	4	0.8144	2.83
Gravel, Fine	2.00 mm	10	1.9586	6.79
Sand, Very Coarse	0.850 mm	20	1.5609	5.41
Sand, Coarse	0.425 mm	40	2.1434	7.44
Sand, Medium	0.250 mm	60	2.8902	10.03
Sand, Fine	0.106 mm	140	4.0649	14.10
Sand, Very Fine	0.075 mm	200	1.3211	4.58
Silt			10.8300	37.57
Clay			2.5000	8.67
Total			28.0835	97.42

ALS Group USA, Corp.

dba ALS Environmental

Analytical Report

Client: ALS Environmental - US
Project: EV22110079
Sample Matrix: Soil

Service Request: K2213734
Date Collected: 11/10/22
Date Received: 11/18/22
Date Analyzed: 12/01/22

Particle Size Determination
ASTM D422M

Sample Name: EV22110079-01
Lab Code: K2213734-001TRP

Sand Fraction: Weight (Grams) 15.6608
Sand Fraction: Weight Recovered (Grams) 15.6524
Sand Fraction: Percent Recovery 99.95

Weight as received (Grams)	31.769
Percent Solids	91.7
Weight Oven-Dried (Grams)	29.1322

Description	Sieve Size	Sieve Number	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel, Medium	4.75 mm	4	1.5642	5.37
Gravel, Fine	2.00 mm	10	2.4922	8.55
Sand, Very Coarse	0.850 mm	20	1.3962	4.79
Sand, Coarse	0.425 mm	40	2.0827	7.15
Sand, Medium	0.250 mm	60	0.2623	0.90
Sand, Fine	0.106 mm	140	6.2905	21.59
Sand, Very Fine	0.075 mm	200	1.4131	4.85
Silt			10.3000	35.36
Clay			2.9500	10.13
Total			28.7512	98.69

ALS Group USA, Corp.

dba ALS Environmental

Analytical Report

Client: ALS Environmental - US
Project: EV22110079
Sample Matrix: Soil

Service Request: K2213734
Date Collected: 11/11/22
Date Received: 11/18/22
Date Analyzed: 12/01/22

Particle Size Determination
ASTM D422M

Sample Name: EV22110079-02
Lab Code: K2213734-002

Sand Fraction: Weight (Grams) 23.8001
Sand Fraction: Weight Recovered (Grams) 23.8040
Sand Fraction: Percent Recovery 100.02

Weight as received (Grams)	31.644
Percent Solids	96.8
Weight Oven-Dried (Grams)	30.6314

Description	Sieve Size	Sieve Number	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel, Medium	4.75 mm	4	6.6534	21.72
Gravel, Fine	2.00 mm	10	5.9984	19.58
Sand, Very Coarse	0.850 mm	20	5.3226	17.38
Sand, Coarse	0.425 mm	40	2.7429	8.95
Sand, Medium	0.250 mm	60	1.2430	4.06
Sand, Fine	0.106 mm	140	1.3803	4.51
Sand, Very Fine	0.075 mm	200	0.4358	1.42
Silt			3.8050	12.42
Clay			1.9700	6.43
		Total	29.5514	96.47



ALS Environmental
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December 06, 2022

Analytical Report for Service Request No: K2213736

Glen Perry
ALS Environmental - US
8620 Holly Drive, Suite 100
Everett, WA 98208

RE: EV22110111

Dear Glen,

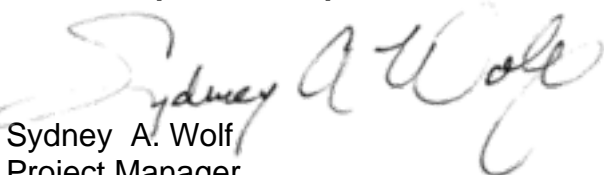
Enclosed are the results of the sample(s) submitted to our laboratory November 18, 2022
For your reference, these analyses have been assigned our service request number **K2213736**.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. All results are intended to be considered in their entirety, and ALS Group USA Corp. dba ALS Environmental (ALS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please contact me if you have any questions. My extension is 3377. You may also contact me via email at Sydney.Wolf@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental



Sydney A. Wolf
Project Manager



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Table of Contents

Acronyms

Qualifiers

State Certifications, Accreditations, And Licenses

Case Narrative

Chain of Custody

Total Solids

General Chemistry

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LOD	Limit of Detection
LOQ	Limit of Quantitation
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Inorganic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated value.
- U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
DOD-QSM 4.2 definition : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
- i The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
- X See case narrative.
- Q See case narrative. One or more quality control criteria was outside the limits.
- H The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory.

Metals Data Qualifiers

- # The control limit criteria is not applicable.
- J The result is an estimated value.
- E The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
- M The duplicate injection precision was not met.
- N The Matrix Spike sample recovery is not within control limits. See case narrative.
- S The reported value was determined by the Method of Standard Additions (MSA).
- U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
DOD-QSM 4.2 definition : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
- W The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
 - i The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
- X See case narrative.
- + The correlation coefficient for the MSA is less than 0.995.
- Q See case narrative. One or more quality control criteria was outside the limits.

Organic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- A A tentatively identified compound, a suspected aldol-condensation product.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
- C The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
- D The reported result is from a dilution.
- E The result is an estimated value.
- J The result is an estimated value.
- N The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
- P The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results.
- U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
DOD-QSM 4.2 definition : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
- i The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference.
- X See case narrative.
- Q See case narrative. One or more quality control criteria was outside the limits.

Additional Petroleum Hydrocarbon Specific Qualifiers

- F The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
- L The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
- H The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
- O The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
- Y The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
- Z The chromatographic fingerprint does not resemble a petroleum product.

**ALS Group USA Corp. dba ALS Environmental (ALS) - Kelso
State Certifications, Accreditations, and Licenses**

Agency	Web Site	Number
Alaska DEH	http://dec.alaska.gov/eh/lab/cs/csapproval.htm	UST-040
Arizona DHS	http://www.azdhs.gov/lab/license/env.htm	AZ0339
Arkansas - DEQ	http://www.adeq.state.ar.us/techsvs/labcert.htm	88-0637
California DHS (ELAP)	http://www.cdph.ca.gov/certlic/labs/Pages/ELAP.aspx	2795
DOD ELAP	http://www.denix.osd.mil/edqw/Accreditation/AccreditedLabs.cfm	L16-58-R4
Florida DOH	http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm	E87412
Hawaii DOH	http://health.hawaii.gov/	-
ISO 17025	http://www.pjllabs.com/	L16-57
Louisiana DEQ	http://www.deq.louisiana.gov/page/la-lab-accreditation	03016
Maine DHS	http://www.maine.gov/dhhs/	WA01276
Minnesota DOH	http://www.health.state.mn.us/accreditation	053-999-457
Nevada DEP	http://ndep.nv.gov/bsdw/labservice.htm	WA01276
New Jersey DEP	http://www.nj.gov/dep/enforcement/oqa.html	WA005
New York - DOH	https://www.wadsworth.org/regulatory/elap	12060
North Carolina DEQ	https://deq.nc.gov/about/divisions/water-resources/water-resources-data/water-sciences-home-page/laboratory-certification-branch/non-field-lab-certification	605
Oklahoma DEQ	http://www.deq.state.ok.us/CSDnew/labcert.htm	9801
Oregon – DEQ (NELAP)	http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	WA100010
South Carolina DHEC	http://www.scdhec.gov/environment/EnvironmentalLabCertification/	61002
Texas CEQ	http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html	T104704427
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C544
Wyoming (EPA Region 8)	https://www.epa.gov/region8-waterops/epa-region-8-certified-drinking-water	-
Kelso Laboratory Website	www.alsglobal.com	NA

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. A complete listing of specific NELAP-certified analytes, can be found in the certification section at www.ALSGlobal.com or at the accreditation bodies web site.

Please refer to the certification and/or accreditation body's web site if samples are submitted for compliance purposes. The states highlighted above, require the analysis be listed on the state certification if used for compliance purposes and if the method/analyte is offered by that state.



Case Narrative

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360)577-7222 Fax (360)636-1068
www.alsglobal.com



Client: ALS Environmental - US
Project: EV22110111
Sample Matrix: Soil

Service Request: K2213736
Date Received: 11/18/2022

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

Sample Receipt:

Two soil samples were received for analysis at ALS Environmental on 11/18/2022. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

General Chemistry:

No significant anomalies were noted with this analysis.

Approved by 

Date 12/06/2022



Chain of Custody

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Phone (360)577-7222 Fax (360)636-1068
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ALS Environmental
 8620 Holly Drive, Suite 100
 Everett, WA 98208
 Phone (425) 356-2600
 Fax (425) 356-2626
 http://www.alsglobal.com

Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

K2213736

Date 11/17/22 Page 1 Of 1

PROJECT ID: <u>EV22110111</u>					ANALYSIS REQUESTED														OTHER (Specify)		
REPORT TO COMPANY: <u>ALS Environmental</u>					NWTPH-HCID NWTPH-DX NWTPH-GX BTEX by EPA 8021 MTBE by EPA 8021 Halogenated Volatiles by EPA 8260 Volatile Organic Compounds by EPA 8260 EDB / EDC by EPA 8260 SIM (water) EDB / EDC by EPA 8260 (soil) Semivolatile Organic Compounds by EPA 8270 Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM PCB by EPA 8082 Pesticides by EPA 8081 Metals-MTCA-5 RCRA-8 Pri Pol TAL Metals Other (Specify) TCLP-Metals VOA Semi-Vol Pest Herbs	ADDRESS: <u>8620 Holly Drive #100</u>		TOC by ASTM D 4129-05 Grain Size / Particle Size by ASTM D 422	NUMBER OF CONTAINERS RECEIVED IN GOOD CONDITION?												
PROJECT MANAGER: <u>Glen Perry</u>																					
ADDRESS: <u>Everett WA 98208</u>																					
PHONE: <u>(425) 356-2600</u> PO. #: <u>32-EV22110111</u>																					
E-MAIL: <u>glen.perry@alsglobal.com</u>																					
INVOICE TO COMPANY:																					
ATTENTION: <u>Same</u>																					
ADDRESS:																					
SAMPLE I.D.	DATE	TIME	TYPE	LAB#																	
1. <u>EV22110111-01</u>	<u>11/16/22</u>	<u>0800</u>	<u>S</u>																X	X	<u>2</u>
2. <u>EV22110111-02</u>	<u>11/16/22</u>	<u>1530</u>	<u>S</u>																X	X	<u>2</u>
3.																					
4.																					
5.																					
6.																					
7.																					
8.																					
9.																					
10.																					

SPECIAL INSTRUCTIONS Please email results by noon 12/5/22

SIGNATURES (Name, Company, Date, Time):
 1. Relinquished By: Shawn Robinson ALS 11/17/22 1504
 Received By: Meda Ben ALS 11/18/22 0940
 2. Relinquished By: _____
 Received By: _____

TURNAROUND REQUESTED in Business Days*
 Organic, Metals & Inorganic Analysis
 10 Standard 5 3 2 1 SAME DAY
 Fuels & Hydrocarbon Analysis
 5 Standard 3 1 SAME DAY
 OTHER: _____
 Specify: _____

*Turnaround request less than standard may incur Rush Charges

Cooler Receipt and Preservation Form

Client AIS Everett Service Request K22 13736
Received: 11/18/22 Opened: 11/18/22 By: MP Unloaded: 11/18/22 By: MP

- 1. Samples were received via? USPS Fed Ex UPS DHL PDX Courier Hand Delivered
- 2. Samples were received in: (circle) Cooler Box Envelope Other _____ NA
- 3. Were custody seals on coolers? NA Y N If yes, how many and where? _____
If present, were custody seals intact? Y N If present, were they signed and dated? Y N

Temp-Blank	Sample Temp	IR Gun	Cooler #COC ID / NA	Out of temp Indicate with 'X'	PM Notified If out of temp	Tracking Number NA	Filed
	<u>1.5</u>	<u>1201</u>				<u>770530185699</u>	

- 4. Was a Temperature Blank present in cooler? NA Y N If yes, notate the temperature in the appropriate column above:
If no, take the temperature of a representative sample bottle contained within the cooler; notate in the column "Sample Temp":
- 5. Were samples received within the method specified temperature ranges? NA Y N
If no, were they received on ice and same day as collected? If not, notate the cooler # below and notify the PM. NA Y N

If applicable, tissue samples were received: Frozen Partially Thawed Thawed

- 6. Packing material: Inserts Baggies Bubble Wrap Gel Packs Wet Ice Dry Ice Sleeves Paper
- 7. Were custody papers properly filled out (ink, signed, etc.)? NA Y N
- 8. Were samples received in good condition (unbroken) NA Y N
- 9. Were all sample labels complete (ie, analysis, preservation, etc.)? NA Y N
- 10. Did all sample labels and tags agree with custody papers? NA Y N
- 11. Were appropriate bottles/containers and volumes received for the tests indicated? NA Y N
- 12. Were the pH-preserved bottles (see SMO GEN SOP) received at the appropriate pH? Indicate in the table below NA Y N
- 13. Were VOA vials received without headspace? Indicate in the table below NA Y N
- 14. Was C12/Res negative? NA Y N
- 15. Were 100ml sterile microbiology bottles filled exactly to the 100ml mark? NA Y N Under filled Overfilled

Sample ID on Bottle	Sample ID on COC	Identified by:

Sample ID	Bottle Count	Bottle Type	Head-space	Broke	pH	Reagent	Volume added	Reagent Lot Number	Initials	Time

Notes, Discrepancies, Resolutions: _____



Total Solids

ALS Environmental—Kelso Laboratory
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www.alsglobal.com

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: ALS Environmental - US
Project: EV22110111
Sample Matrix: Soil
Analysis Method: 160.3 Modified
Prep Method: None

Service Request: K2213736
Date Collected: 11/16/22
Date Received: 11/18/22
Units: Percent
Basis: As Received

Solids, Total

Sample Name	Lab Code	Result	MRL	Dil.	Date Analyzed	Q
EV22110111-01	K2213736-001	90.0	-	1	11/21/22 13:38	
EV22110111-02	K2213736-002	78.6	-	1	11/21/22 13:38	



General Chemistry

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ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: ALS Environmental - US
Project: EV22110111
Sample Matrix: Soil
Analysis Method: ASTM D4129-05 Modified
Prep Method: ALS SOP

Service Request: K2213736
Date Collected: 11/16/22
Date Received: 11/18/22

Units: Percent
Basis: Dry, per Method

Carbon, Total Organic (TOC)

Sample Name	Lab Code	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
EV22110111-01	K2213736-001	0.051	0.050	1	12/06/22 11:30	12/5/22	
EV22110111-02	K2213736-002	ND U	0.050	1	12/06/22 11:30	12/5/22	
Method Blank	K2213736-MB	ND U	0.050	1	12/06/22 11:30	12/5/22	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: ALS Environmental - US
Project: EV22110111
Sample Matrix: Soil

Service Request: K2213736
Date Analyzed: 12/06/22
Date Extracted: 12/05/22

Lab Control Sample Summary
Carbon, Total Organic (TOC)

Analysis Method: ASTM D4129-05 Modified
Prep Method: ALS SOP

Units: Percent
Basis: Dry, per Method
Analysis Lot: 787473

Sample Name	Lab Code	Result	Spike Amount	% Rec	% Rec Limits
Lab Control Sample	K2213736-LCS	4.42	4.40	101	72-122

ALS Group USA, Corp.

dba ALS Environmental

Analytical Report

Client: ALS Environmental - US
Project: EV22110111
Sample Matrix: Soil

Service Request: K2213736
Date Collected: 11/16/22
Date Received: 11/18/22
Date Analyzed: 11/30/22

Particle Size Determination
ASTM D422M

Sample Name: EV22110111-01
Lab Code: K2213736-001

Sand Fraction: Weight (Grams) 21.4943
Sand Fraction: Weight Recovered (Grams) 21.4752
Sand Fraction: Percent Recovery 99.91

Weight as received (Grams)	30.313
Percent Solids	90.0
Weight Oven-Dried (Grams)	27.2817

Description	Sieve Size	Sieve Number	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel, Medium	4.75 mm	4	0.0057	0.02
Gravel, Fine	2.00 mm	10	0.6578	2.41
Sand, Very Coarse	0.850 mm	20	1.0987	4.03
Sand, Coarse	0.425 mm	40	5.2419	19.21
Sand, Medium	0.250 mm	60	6.9362	25.42
Sand, Fine	0.106 mm	140	6.5717	24.09
Sand, Very Fine	0.075 mm	200	0.9120	3.34
Silt			4.6550	17.06
Clay			1.1800	4.33
Total			27.2590	99.91

ALS Group USA, Corp.

dba ALS Environmental

Analytical Report

Client: ALS Environmental - US
Project: EV22110111
Sample Matrix: Soil

Service Request: K2213736
Date Collected: 11/16/22
Date Received: 11/18/22
Date Analyzed: 11/30/22

Particle Size Determination
ASTM D422M

Sample Name: EV22110111-02
Lab Code: K2213736-002

Sand Fraction: Weight (Grams) 21.8240
Sand Fraction: Weight Recovered (Grams) 21.8534
Sand Fraction: Percent Recovery 100.13

Weight as received (Grams)	30.07
Percent Solids	91.3
Weight Oven-Dried (Grams)	27.4539

Description	Sieve Size	Sieve Number	Dry Weight (Grams)	Percent of Total Weight Recovered
Gravel, Medium	4.75 mm	4	0.2476	0.90
Gravel, Fine	2.00 mm	10	0.5336	1.94
Sand, Very Coarse	0.850 mm	20	1.2062	4.39
Sand, Coarse	0.425 mm	40	5.8081	21.16
Sand, Medium	0.250 mm	60	4.3077	15.69
Sand, Fine	0.106 mm	140	8.8219	32.13
Sand, Very Fine	0.075 mm	200	0.8562	3.12
Silt			4.0400	14.72
Clay			1.2650	4.61
		Total	27.0863	98.66